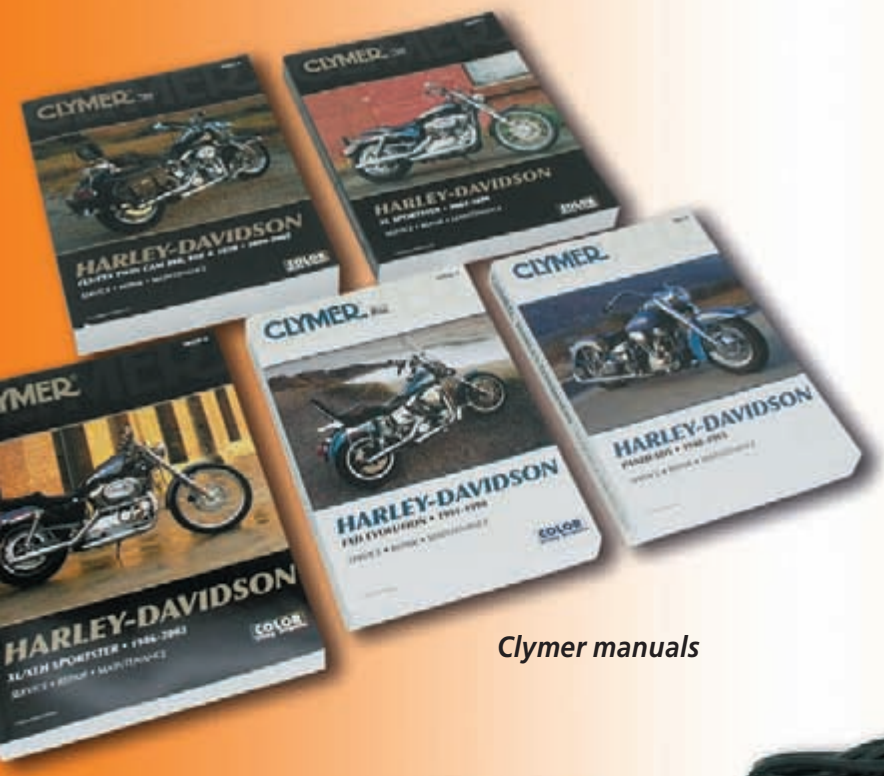
Chapter 24 is all about tools. This is an important chapter because "The right tool is half the job". This covers exactly what this chapter is about. Owner's manuals, parts catalogs, service manuals, repair manuals, chemicals, as well as tools for both the do-it yourselfers and the professional workshops. No matter if you need a small tool kit to take with your trip or a professional piece of workshop equipment, it's all listed and pictured in this chapter. New are the AMA3 GSM & GPS alarm and security system, more locks and tie-downs from Master Lock, Stop & Go professional tire repair kits, loads of new tools from Jims, including those for the stock 6-speed transmission as introduced on the 2006 Dyna, and Clymer repair manuals for V-Rod.



Clymer manuals

AMA3 alarm and security system

Cruz Tools RoadTech tool kit

Stop & Go's Tire Plugger tubeless tire repair

OEM OWNERS MANUALS

Lost your manual or bought a used Harley but didn't get the manual with it? Don't worry we have got an OEM manual for your bike. We may even have it in your own language. Check out the list below and get yourself the right manual for your Harley-Davidson or your Harley-Davidson sidecar. Please ask your dealer to check with his Zodiac Sales Office for unlisted models as Owner's Manuals for these models are available upon Special Order.

Note: The 4 language manuals are a combined English, German, French and Spanish manual. The 5 Language manuals also feature Italian and the 6 language manuals also feature Portuguese.

799109 1985 FL & FX, English
799116 1985 FLT & FXR, English
799120 1987 All models, English
799123 1990 All models, English
799207 1991 All models, 4 language
799211 1995 All models, 4 language
799284 2001 Sportster, English
799283 2001 Dyna, 6 Language
799289 2001 Softail, English
799290 2001 Softail, 6 Language
799286 2001 FLT, English
799287 2001 FLT, 6 Language
799292 2001 Maintenance Coupons, 6 Language
799293 2001 Police models, English
799294 2001 FLTRSEI2, English
799295 2001 FXDWG2, English
799383 2002 Dyna, 6 Language
799320 2002 Dyna FXDWG3, English
799381 2002 Dyna FXDWG3, 5 Language
799321 2002 Police, English
799390 2002 Softail, 6 Language
799386 2002 FLT, English
799387 2002 FLT, 5 Language
799826 2003 FXSTDSE, English
799825 2003 FLHRSEI2, English
799833 2003 FLT, English
799933 2004 Sportster, 6 Language
798157 2007 Dyna models, English
798152 2007 FLH & FLT, English
798153 2007 FLH & FLT, 6 Language

Side car owner's manuals

799013 1998, English
799014 1999, English
799237 2000, English
799296 2001, English

Note: Please ask your dealer to check with his Zodiac Sales Office for unlisted models as Owner's Manuals for these models are available upon Special Order.

HARLEY-DAVIDSON ANTIQUE LITERATURE

Genuine Harley-Davidson books for the real enthusiasts and collectors. These books will lead you through the models, the parts, the tech-specs and all other you want to know about the Classic Harley models.

799015 The Legend Begins, Harley history from 1903 thru 1969
799016 Parts Listing for 1909 thru 1932 models
799017 Operation, Maintenance and Inspection of 1911 thru 1930 models
799018 Parts Listing for 1930 thru 1949 models
799019 Operation, Maintenance and Inspection of 1930 thru 1949 models
799020 Shop Dope and Service Bulletins for 1917 thru 1949 models, provides techtips, valuable trouble shooting advice and original specifications
799021 Operation, Maintenance, Inspection and Parts Listing of 1950 thru 1957 models
799022 WLA and XA Military models from 1940 on
799023 American made lightweight models 1958 thru 1966
799024 NEW Cross-index from old to new Harley part numbers thru 1951

FACTORY SERVICE MANUALS

Original Equipment Workshop manuals. A must for every repair shop, but also do-it-your-selfers can't do without them to get the best results. We offer many of these Factory Service Manuals in English, French, German, Italian and Spanish. Service Manuals in French, German, Italian and Spanish for 2003 to present models come with an Electric Diagnostic Manual. Electric Manuals for English and older models must be ordered separately.

Note: For some models or years there are no complete manuals available, only as a supplement to the manual for the year before.

Factory Service Manuals	English	French	German	Italian	Spanish
1959 thru 1973 45CI Servicar	**799064**	N/A	N/A	N/A	N/A
1972 thru 2003 XR 750	**799065**	N/A	N/A	N/A	N/A
1958 thru 1969 Sportster	**799052**	N/A	N/A	N/A	N/A
1970 thru 1978 Sportster	**799053**	N/A	N/A	N/A	N/A
1979 thru 1985 Sportster	**799054**	N/A	N/A	N/A	N/A
1986 thru 1990 Sportster	**799055**	N/A	N/A	N/A	N/A
1993 thru 1994 Sportster	**799057**	**799151**	**799166**	**799196**	**799181**
1995 thru 1996 Sportster	**799061**	**799153**	**799168**	**799198**	**799182**
1997 Sportster (Supplement)	N/A	**799155**	**799170**	**799198**	**799183**
1997 Sportster	**799061**	N/A	N/A	N/A	N/A
1998 Sportster (Supplement)	N/A	**799153**	**799168**	**799201**	**799186**
1998 Sportster	**799061**	N/A	N/A	N/A	N/A
1999 Sportster	**799061**	**799153**	**799168**	**799198**	**799183**
2000 Sportster (Supplement)	N/A	**799218**	**799220**	N/A	**799222**
2000 Sportster	**799809**	N/A	N/A	N/A	N/A
2001 Sportster	**799809**	**799840**	**799845**	**799855**	**799262**
2002 Sportster	**799809**	**799840**	**799845**	**799363**	**799362**
2003 Sportster	**799809**	**799840**	**799845**	**799855**	**799850**
2004 Sportster	**798030**	**798072**	**798080**	**798096**	**799920**
2005 Sportster	**798030**	**798072**	**798080**	**798096**	**798088**
2006 Sportster	**798217**	**798218**	**798219**	**798220**	**798221**
2007-2009 Sportster & XR 1200	**798222**	**798393**	**798402**	**798420**	**798411**
2010 Sportster & XR 1200	**797041**	**797044**	**797042**	**797045**	**797043**
2011 Sportster & XR 1200	**797239**	**797255**	**797265**	**797275**	**797285**
2002-2003 V-Rod	**798034**	**798074**	**798082**	**798098**	**798090**
2004-2005 V-Rod	**798034**	**798074**	**798082**	**798098**	**798090**
2005-2006 VRSCSE supplement	**798288**	**798289**	**798290**	**798291**	**798292**
2006-2007 V-Rod	**798306**	**798307**	**798308**	**798309**	**798310**
2008 V-Rod	**798358**	**797049**	**797047**	**797050**	**797048**
2009-2010 V-Rod	**797046**	**797049**	**797047**	**797050**	**797048**
2011 V-Rod	**797243**	**797259**	**797269**	**797279**	**797289**
1940 thru 1947 Big Twins	**799033**	N/A	N/A	N/A	N/A
1959 thru 1969 Electra Glide Big Twins	**799034**	N/A	N/A	N/A	N/A
1970 thru early 1978 Big Twins	**799035**	N/A	N/A	N/A	N/A
Late 1978 thru 1984 Big Twins	**799036**	N/A	N/A	N/A	N/A
1980 thru 1983 FXR	**799044**	N/A	N/A	N/A	N/A
1984 thru 1991 FXR	**799045**	N/A	N/A	N/A	N/A
1992 thru 1994 FXR	**799047**	**799148**	**799163**	**799193**	**799178**
1991 thru 1992 Dyna	**799027**	N/A	N/A	N/A	N/A
1993 thru 1994 Dyna	**799028**	**799142**	**799157**	**799187**	**799172**
1995 thru 1996 Dyna	**799029**	**799143**	**799158**	**799188**	**799173**
1997 Dyna	**799031**	N/A	N/A	N/A	N/A
1997 Dyna (Supplement)	N/A	**799155**	**799170**	**799200**	**799185**
1998 Dyna	N/A	**799156**	**799171**	**799201**	**799186**
1998 Dyna (Supplement)	**799031**	N/A	N/A	N/A	N/A
1999 Dyna	**799354**	**799144**	**799220**	**798092**	**799257**
2000 Dyna	**799354**	N/A	N/A	N/A	N/A
2000 Dyna (Supplement)	N/A	**799218**	**799220**	N/A	**799222**
2001 Dyna	**799354**	**798068**	**799256**	**798092**	**799257**
2001 Dyna (Police Supplement)	**799279**	N/A	N/A	N/A	N/A
2002 Dyna	**799354**	**798068**	**799843**	**798092**	**798084**
2003 Dyna	**798023**	**798068**	**799843**	**798092**	**798084**
2003 Dyna (Police Supplement)	**799804**	N/A	N/A	N/A	N/A

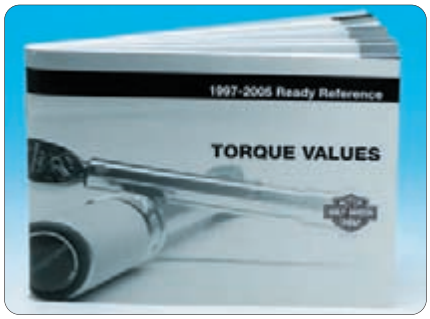
Continued on next page

FACTORY SERVICE MANUALS

Original Equipment Workshop manuals. A must for every repair shop, but also do-it-your-selfers can't do without them to get the best results. We offer many of these Factory Service Manuals in English, French, German, Italian and Spanish. Service Manuals in French, German, Italian and Spanish for 2003 to present models come with an Electric Diagnostic Manual. Electric Manuals for English and older models must be ordered separately.

Note: For some models or years there are no complete manuals available, only as a supplement to the manual for the year before.

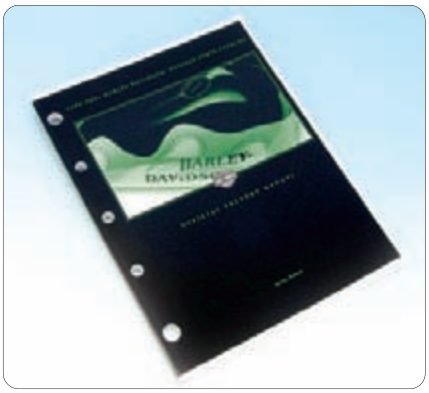
Factory Service Manuals	English	French	German	Italian	Spanish
2004-2005 Dyna	**798023**	**798068**	**798076**	**798092**	**798084**
2006 Dyna	**798184**	**798185**	**798186**	**798187**	**798188**
2007-2009 Dyna	**798189**	**798190**	**798191**	**798065**	**798193**
2010 Dyna	**797026**	**797029**	**797027**	**797030**	**797028**
2011 Dyna	**797235**	**797251**	**797261**	**797271**	**797281**
1985 thru 1990 Softail	**799037**	N/A	N/A	N/A	N/A
1991 thru 1992 Softail	**799038**	N/A	N/A	N/A	N/A
1993 thru 1994 Softail	**799039**	**799145**	**799160**	**799190**	**799175**
1995 thru 1996 Softail	**799040**	**799146**	**799161**	**799191**	**799176**
1997 Softail (Supplement)	N/A	**799155**	**799170**	N/A	N/A
1998 Softail (Supplement)	N/A	N/A	N/A	**799201**	**799186**
1998-1999 Softail	**799043**	**799147**	**799162**	**799192**	**799177**
2000 Softail	**798194**	**798195**	**799271**	**799854**	**799221**
2001 Softail	**798194**	**798195**	**799271**	**799854**	**799272**
2002 Softail	**798194**	**798195**	**799371**	**799854**	**799372**
2003 Softail	**798194**	**798195**	**798196**	**799854**	**798198**
2003 Softail FXSTDSE	**799805**	N/A	N/A	N/A	N/A
2004 Softail	**798194**	**798195**	**798196**	**798197**	**798198**
2005 FLSTFSE (Supplement)	**798025**	N/A	N/A	N/A	N/A
2005-2006 Softail	**798194**	**798195**	**798196**	**798197**	**798198**
2007 Softail	**798369**	**798392**	**798401**	**798419**	**798410**
2008 Softail	**798369**	**798392**	**798401**	**798419**	**798410**
2009 Softail	**798369**	**798392**	**798401**	**798419**	**798410**
2010 Softail	**797031**	**797034**	**797032**	**797035**	**797033**
2011 Softail	**797237**	**797253**	**797263**	**797273**	**797283**
1980 thru 1983 FLH & FLT	**799044**	N/A	N/A	N/A	N/A
1984 thru 1991 FLH & FLT	**799045**	N/A	N/A	N/A	N/A
1992 thru 1994 FLH & FLT	**799047**	**799148**	**799163**	**799193**	**799178**
1995 thru 1996 FLH & FLT	**799048**	**799149**	**799164**	**799194**	**799179**
1997 FLH & FLT	**799049**	N/A	N/A	N/A	N/A
1997 FLH & FLT (Supplement)	N/A	**799155**	**799170**	N/A	N/A
1998 FLH & FLT	**799050**	N/A	N/A	N/A	N/A
1998 FLH & FLT (Supplement)	N/A	**N/A**	N/A	**799201**	**799186**
1999 FLH & FLT	**799264**	**799265**	**799266**	**799268**	**799180**
2000 FLH & FLT	**799264**	N/A	N/A	N/A	N/A
2000 FLH & FLT (Supplement)	**N/A**	**799218**	**799220**	N/A	**799222**
2001 FLH & FLT	**799264**	**799265**	**799266**	**799268**	**799267**
2001 FLTRSEI2 (Supplement)	**799280**	N/A	N/A	N/A	N/A
2002 FLH & FLT	**798204**	**799365**	**798206**	**799926**	**799367**
2003 FLH & FLT (Police Supplement)	**799399**	N/A	N/A	N/A	N/A
2002 FLTRSEI2 (Supplement)	**799380**	**799398**	**799397**	**799395**	**799394**
2003 FLH & FLT	**798204**	**798205**	**798206**	**799926**	**798209**
2003 FLH & FLT (Police Supplement)	**799803**	N/A	N/A	N/A	N/A
2003 FLTRSEI2 (Supplement)	**799802**	N/A	N/A	N/A	N/A
2004 FLH & FLT	**798204**	**798205**	**798206**	**799926**	**798209**
2005 FLHTCSE2 (Supplement)	**798024**	**798069**	**798077**	**798093**	**798085**
2005-2006 FLH & FLT	**798204**	**798205**	**798206**	**798208**	**798209**
2007-2008 FLH & FLT	**798211**	**798212**	**798403**	**798214**	**798215**
2009 FLH & FLT	**797020**	**797022**	**797023**	**797024**	**797025**
2010 FLH & FLT	**797036**	**797039**	**797037**	**797040**	**797038**
2011 FLH & FLT	**797241**	**797257**	**797267**	**797277**	**797287**
1979-up CLE, TLE & RLE sidecars	**799062**	N/A	N/A	N/A	N/A
1990 thru 1999 sidecars	**799237**	N/A	N/A	N/A	N/A
2000 thru 2001 sidecars	**799281**	N/A	N/A	N/A	N/A



FACTORY TORQUE SPECIFICATION BOOK

Small books that really make the difference. Measure only 4" (10 cm) high and 5 1/4" (13 cm) wide. The same books as used by the official dealers. Lists all torque specifications.

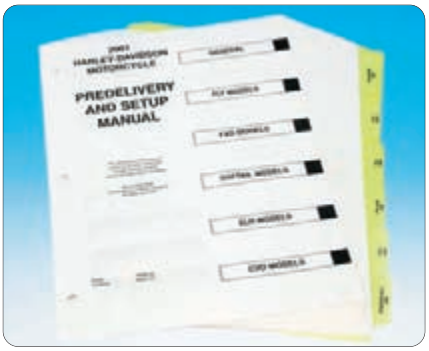
799322 1997 thru 2005 models
797330 2006 models
798343 2007 models
798344 2008 models
798383 2009 models
798387 NEW 2010 models
797233 NEW 2011 models



PAINTED PARTS CATALOG 1989 THRU 2005 MODELS

This catalog contains all painted parts with all color codes, paint part numbers etc. Very useful information, when you need to repaint a bike in stock colors.

799310 Painted parts catalog



PRE DELIVERY AND SET-UP INSTRUCTIONS

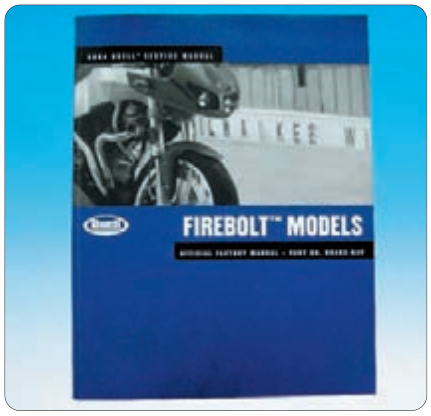
OEM instructions on how to install and adjust everything on a new Harley-Davidson before it goes on the road for the first time. We have listed the ones we can supply from stock, these books for other years are available upon Special Order in various languages.

799297 English edition 2001
799298 French edition 2001
799301 Italian edition 2001
799300 Spanish edition 2001
799863 French edition 2003
799907 English Edition 2004

FACTORY WIRING DIAGRAM WALL CHARTS

Exact the same wall charts you can find in official dealer's workshops. These full color diagrams give you a clear view of which wire goes where and connects what to what.

799133 1992 models
799134 1993 models
799135 1994 models
799136 1995 models
799137 1996 models
799138 1997 models
799139 1998 models
799140 1999 models
799244 2000 models
799302 2001 models
799904 2002 models
799905 2003 models
799906 2004 models
798064 2005 models
798340 2006 models
798341 2007 models
798384 2008 models
798385 2009 models
798386 NEW 2010 models
797249 NEW 2011 models



BUELL SERVICE MANUALS

OEM Buell Workshop manuals. A must for every repair shop, but also do-it-your-selfers can't do without them to get the best results. Buell Factory Service anuals are available in English only.

799940 1995-1996 S2/S2T
799941 1996 S1
799942 1997 S1 Supplement
799943 1997-1998 M2
799944 1997-1998 S3/S3T
799945 1998 S1/S1W
799946 1999-2000 M2
799947 1999-2000 S3
799948 1999-2000 X1
799950 2001 M2/M2L
799952 2001 S3/S3T
799953 2001 X1
799954 2002 M2/M2L
799956 2002 S3-T
799957 2002 X1
799958 2003 Lightning XB9S
799960 2003 XB9R
799961 2004 Firebolt
799962 2004 Lightning
798113 2005 Firebolt
798114 2005 Lightning
798232 2006 Firebolt
798230 2006 Lightning
798239 2006 Ulysses
798233 2007 Firebolt
798231 2007 Lightning
798245 2007 Ulysses
798503 2008 XB
798497 2008 1125R

BUELL PARTS CATALOGS

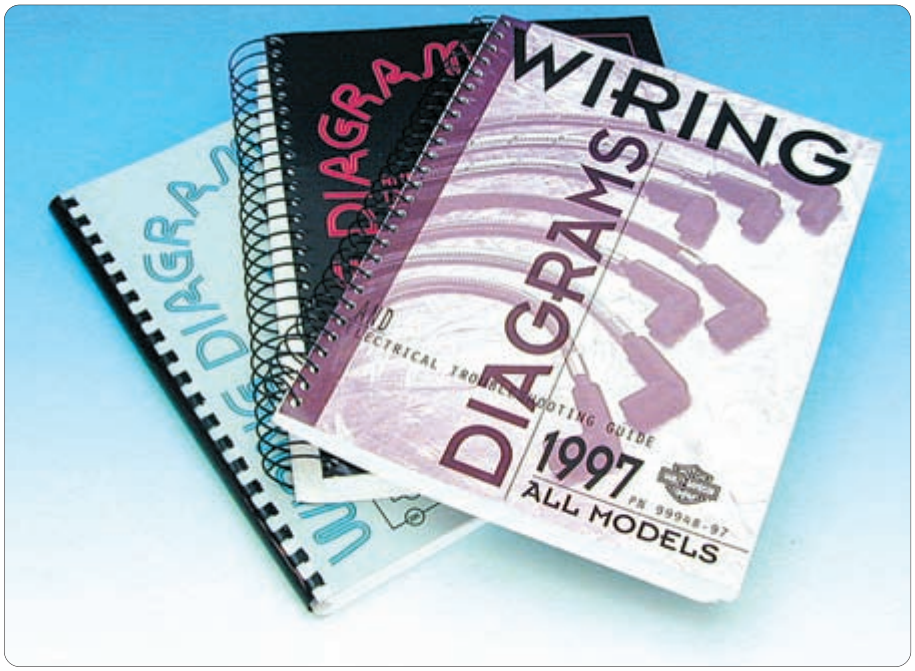
Original Equipment Parts Catalogs for 1995 to present Buell models. These are the same parts books as used by the official Buell dealers.

798020 1995 thru 2004 bodywork, all models
799964 1995 thru 1996 S2 & 2T
799965 1996 thru 1997 S1
799966 1997 thru 1998 M2
799967 1997 thru 1998 S3 & S3T
799968 1998 S1 & S1W
799969 1999 M2
799970 1999 S3
799971 1999 X1
799972 2000 thru 2001 M2 & M2L
799974 2000 thru 2001 S3 & S3T
799975 2000 thru 2001 X1
799976 2002 M2 & M2L Cyclone
799978 2002 S3-T Thunderbolt
799979 2002 X1 Lightning
799981 2003 XB9R
799982 2003 XB9S Lightning
799983 2003 XB9SL Lightning
799984 2004 Firebolt
799985 2004 Lightning
798115 2005 Firebolt
798116 2005 Lightning
798247 2006 Firebolt
798248 2006 Lightning
798249 2006 Ulysses
798319 2007 Firebolt
798318 2007 Lightning
798320 2007 Ulysses
798505 2008 Firebolt
798506 2008 Lightning
798507 2008 XB 12X Ulysses
798504 2008 1125R

FACTORY SERVICE BULLETINS AND TECH-TIPS

An official Harley-Davidson publication with loads of technical information, tips and service bulletins for all models thru 1995.

799216 Tips service bulletins



FACTORY WIRING DIAGRAMS AND ELECTRICAL DIAGNOSTIC MANUALS

A must for every bike builder, changes "guessing what to do" to "knowing what to do" when working on the electrics of your stock Harley-Davidson or Custom build motorcycle.

Wiring diagrams in English

799126 All 1986 thru 1990 models

Wiring diagrams & Electrical Diagnostic manuals in English

799128 All 1991 and 1992 models
799129 All 1993 and 1994 models
799130 All 1995 and 1996 models
799131 All 1997 models
799132 All 1998 models

Electrical Diagnostic manuals in English for all models

799274 All 2001 models

For Sportster

799374 2002 Sportster models
799808 2003 Sportster models
799875 2004 Sportster models
798029 2005 Sportster models
798246 2006 Sportster models
798251 2007 Sportster models
798252 NEW 2008 Sportster models
798253 NEW 2009 Sportster models including XR1200
798254 NEW 2010 Sportster models including XR1200
797238 NEW 2011 Sportster models including XR1200

Electrical Diagnostic manuals in English for Softail

799375 2002 Softail models
799806 2003 Softail models
799873 2004 Softail models
798027 2005 Softail models
798276 2006 Softail models
798281 2007 Softail models
798282 NEW 2008 Softail models
798283 NEW 2009 Softail models
798284 NEW 2010 Softail models
797236 NEW 2011 Softail models

Electrical Diagnostic manuals in English for V-Rod

799377 2002 V-Rod models
799812 2003 V-Rod models
799879 2004 V-Rod models
798033 2005 V-Rod models
798287 2006 V-Rod models
798286 2006 V-Rod VRSCR
798296 2007 V-Rod models
798293 NEW 2008 V-Rod models
798294 NEW 2009 V-Rod models
798250 NEW 2010 V-Rod models
797242 NEW 2011 V-Rod models

Note: French, German, Spanish and Italian Electric Diagnostic manuals for 2003 thru 2008 models are included with the Factory Service Manuals listed elsewhere in this Chapter. French, German, Spanish and Italian Electric Diagnostic manuals for most other models are available upon Special Order. Please consult your Zodiac Sales Office for price and delivery time.

Electrical Diagnostic manuals in English for Dyna

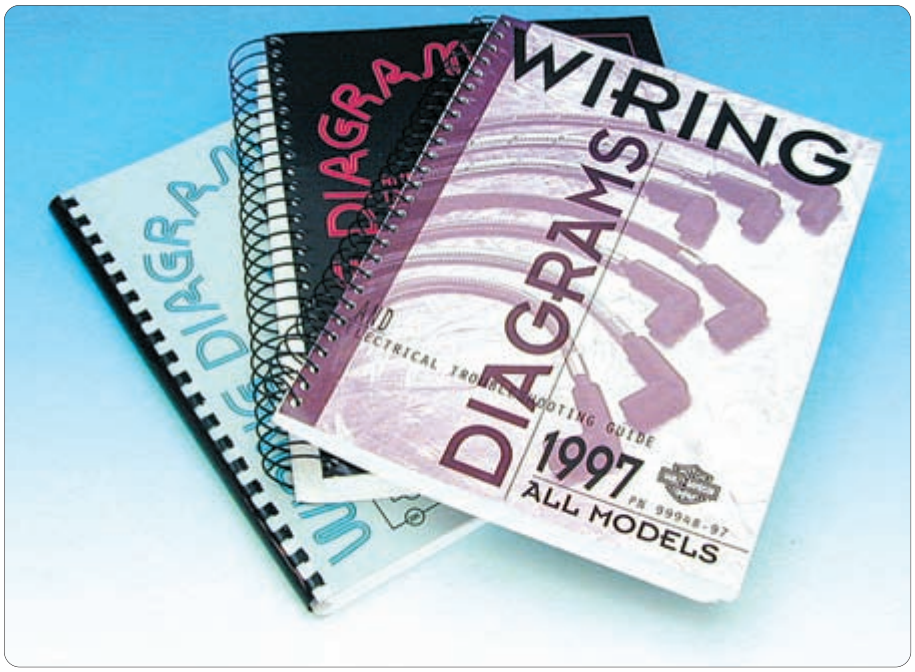
799378 2002 Dyna models
799800 2003 Dyna models
799867 2004 Dyna models
798022 2005 Dyna models
798256 2006 Dyna models
798261 2007 Dyna models
798262 NEW 2008 Dyna models
798263 NEW 2009 Dyna models
798264 NEW 2010 Dyna models
797234 NEW 2011 Dyna models

Electrical Diagnostic manuals in English for FLH/FLT

799376 2002 FLH/FLT Touring models
799810 2003 FLH/FLT Touring models
799877 2004 FLH/FLT Touring models
798031 2005 FLH/FLT Touring models
798266 2006 FLH/FLT Touring models
798271 2007 FLH/FLT Touring models
798272 NEW 2008 FLH/FLT Touring models
798273 NEW 2009 FLH/FLT Touring models
798274 NEW 2010 FLH/FLT Touring models
797240 NEW 2011 FLH/FLT Touring models

Electrical Diagnostic manuals in other languages				
French	German	Italian	Spanish	
799275	**799276**	**799278**	**799277**	All 2001 models
797292	**797290**	**797293**	**797291**	2009 XL & XR Sportster
797316	**797314**	**797317**	**797315**	2009 V-Rod
797324	**797322**	**797325**	**797323**	2009 Dyna
797308	**797306**	**797309**	**797307**	2009 Softail
797300	**797298**	**797301**	**797299**	2009 FLH & FLT Touring
797296	**797294**	**797297**	**297295**	2010 XL & XR Sportster
797320	**797318**	**797321**	**797319**	2010 V-Rod
797328	**797326**	**797329**	**797327**	2010 Dyna
797312	**797310**	**797313**	**797311**	2010 Softail
797304	**797302**	**797305**	**797303**	2010 FLH & FLT Touring
797254	**797264**	**797274**	**797284**	2011 XL & XR Sportster
797258	**797268**	**797278**	**797288**	2011 V-Rod
797250	**797260**	**797270**	**797280**	2011 Dyna
797252	**797262**	**797272**	**797282**	2011 Softail
797256	**797266**	**797276**	**797286**	2011 FLH & FLT Touring

Note: French, German, Spanish and Italian Electric Diagnostic manuals for 2003 thru 2008 models are included with the Factory Service Manuals listed elsewhere in this Chapter. French, German, Spanish and Italian Electric Diagnostic manuals for most other models are available upon Special Order. Please consult your Zodiac Sales Office for price and delivery time.



FACTORY PARTS CATALOGS

Original Equipment Parts Catalogs for most models from 1941 to present. These are the same parts books as used by the Harley-Davidson dealerships.

For Sportster

799081 1954 thru 1978 models
799068 1977 XLCR 1000 models
799082 1979 thru 1985 models
799083 1986 thru 1990 models
799084 1991 thru 1992 models
799085 1993 thru 1994 models
799086 1995 thru 1996 models
799087 1997 models
799088 1998 models
799089 1999 models
799240 2000 models
799246 2001 models
799346 2002 models
799820 2003 models
799887 2004 models
798041 2005 models
798139 NEW 2006 Models
798140 2007 models
798366 2008 models
797014 2009 XL and XR models
797052 NEW 2010 XL and XR models
797246 NEW 2011 XL and XR models

For XR series

799253 1972 thru 2001 models

For V-Rod models

799315 2002 models
799822 2003 models
799889 2004 models
798043 2005 VRSC models
798044 2005 VRSCE models
798146 NEW 2006 VRSC models
798129 2006 VSCSE2 models
798141 2006 VRSCX models
798147 2007 VRSC models
798148 2007 VRSCSE2 models
798368 2008 models
797017 2009 models
797055 NEW 2010 models
797248 NEW 2011 models

For Big Twin models 1941 thru 1984

799095 1941 thru 1984 FL models
799067 1966 thru 1984 models

For Shovelhead engines

799090 1971 thru 1984 FX models
799069 1980 thru 1983 FLT models

For Evolution FX Models

799091 1984 thru 1986 models

For FXR models

799071 1982 thru 1983 models
799072 1984 thru 1986 models
799096 1984 thru 1990 Police models
799077 1987 thru 1990 models
799078 1991 thru 1992 models
799097 1991 thru 1992 Police models
799079 1993 thru 1994 models
799098 1993 thru 1994 Police models

For Dyna Glide models

799078 1991 thru 1992 models
799079 1993 thru 1994 models
799080 1995 thru 1996 models
799073 1997 models
799074 1998 models
799075 1999 models
799239 2000 models
799245 2001 models
799252 2001 FXDWG2 models
799345 2002 models
799352 2002 FXDWG2 models
799814 2003 models
799881 2004 models
799882 2004 Police models
798036 2005 models
798136 NEW 2006 models
798137 2007 models
798134 2007 FXDSE models
798359 2008 models
797013 2009 models
797051 NEW 2010 models
797244 NEW 2011 models

For Softail models

799091 1984 thru 1986 models
799077 1987 thru 1990 models
799078 1991 thru 1992 models
799079 1993 thru 1994 models
799080 1995 thru 1996 models
799092 1997 models
799093 1998 models
799094 1999 models
799241 2000 models
799248 2001 models
799348 2002 models
799819 2003 models
799818 2003 FXSTDSE models
799886 2004 models
799885 2004 FXSTDSE2 models
798040 2005 models
798038 2005 FLSTFSE models
798142 NEW 2006 models
798123 2006 FLSTFSE2 models
798143 2007 models
798149 2007 FXSTSSE models
798365 2008 models
797015 2009 models
797053 NEW 2010 models
797245 2011 models

For FLH and FLT models

799069 1980 thru 1983 FLT models
799070 1984 thru 1986 models
799096 1984 thru 1990 Police models
799077 1987 thru 1990 models
799078 1991 thru 1992 models
799097 1991 thru 1992 Police models
799098 1993 thru 1994 Police models
799079 1993 thru 1994 models
799080 1995 thru 1996 models
799099 1995 FLHTP models
799104 1997 models
799105 1998 models
799106 1999 models

799243 2000 models
799247 2001 models
799251 2001 FLTRSEI2 models
799347 2002 models
799351 2002 FLHRSEI models
799821 2003 models
799816 2003 FLHRSEI2 models
799888 2004 models
799883 2004 FLHTCSE models
799884 2004 FLT Police models
798042 2005 models
798037 2005 FLHTCSE2 models
798039 2005 FLT Police models
798144 NEW 2006 models
798122 2006 FLHTCUSEodels
798124 2006 FLT Police models
798145 2007 models
798133 2007 FLHTCUSE2 models
798135 2007 FLHRSE3 models
798317 2007 FLT Police models
798367 2008 models
797016 2009 models
797054 NEW 2010 models
797247 NEW 2011 models

Police Special Parts Supplements

799100 1996 models supplement
799101 1997 models supplement
799102 1998 models supplement
799103 1999 models supplement
799242 2000 models supplement
799249 2001 FLT Police supplement
799250 2001 Dyna Police supplement
799349 2002 FLT Police supplement
799350 2002 Dyna Police supplement
799817 2003 FLT Police supplement
799815 2003 Dyna Police supplement

CLYMER REPAIR MANUALS

Clymer repair manuals provide step-by-step procedures based upon the complete disassembly of the motorcycle. This hands-on experience combined with extensive research results in a manual that is both detailed and user-friendly. Hundreds of original photos and illustrations guide the reader through every job, making it easy to reduce repair costs. Whether it is routine maintenance, such as tune-ups and brake service, or more extensive repairs involving engine and transmission disassembly. Clymer manuals provide reliable information required to perform the job. Accurate, clear and concise text, combined with detailed illustrations and photography, make it possible for the novice power sports enthusiast to safely and enjoyably service their vehicle. While at the same time, the in-depth coverage provides indispensable information for those tackling more complicated procedures. Clymer manuals are available in English only.

For Sportster models

797002 For 1959 thru 1985 Sportster models
797012 For 1986 thru 2003 Evolution Sportster models
796998 NEW For 2004 to present Evolution Sportster models

For V-Rod models

796999 NEW For 2002-2006 VRSCA, 2004-2005 VRSCB, 2007 VRSCAW, 2005-2006 VRSCSE Screamin' Eagle, 2007 VRSCX Screamin' Eagle, 2006-2007 VRSCR Street Rod, 2006-2007 VRSCD Night Rod and 2007 VRSCDX Night Rod Special

For single cam Big Twin models

797000 For 1948 thru 1965 Panhead models
797001 For 1966 thru 1984 Shovelhead Big Twin
797006 For 1984 thru 1998 Evolution Big Twin powered FLH, FLT and FXD series models
797010 For 1984 thru 1999 Evolution Big Twin powered Softail & 1984 thru 1986 FXEF, FXWG, and FXSB models
797008 For 1991 thru 1998 Evolution Big Twin powered Dyna models

For Twin Cam Big Twin models

797007 For 1999 thru 2006 Twin Cam 88 powered FLH & FLT series models
797009 For 1999 thru 2005 Twin Cam 88 powered Dyna models
797011 For 2000 thru 2006 Twin Cam 88B powered Softail models
796997 NEW For 2007 to present Twin Cam 88B powered Softail models

S&S SSW+ ENGINES SERVICE MANUAL

This is the first service manual covering the Super Sidewinder Plus engine series, 111", 117", and 124". This manual is another example of how S&S is continuing to elevate its service to the V-Twin community and industry. This 4 1/8" boreengine service manual, a first in a series, is designed to guide a technician through the complete servicing procedure of an S&S Super Sidewinder Plus engine. With comprehensive instructions, complete specifications, high-quality photography, and tips directly from the S&S service technicians, this manual will be a valuable tool in every shop.

750528 S&S SSW+ engines service manual

S&S SUPER STOCK & SUPER SIDEWINDER ENGINES SERVICE MANUAL

This manual covers some of the most popular S&S engines the Super Stock and Super Sidewinder. All of the information you need for an S&S 88ci, 96ci, 100ci, 107ci and 113ci can be found on its pages. Detailed descriptions, plenty of photos and lots of helpful tips make this an important addition to your garage.

750646 S&S Super Stock and Super Sidewinder engines service manual

SERVICE MANUAL FOR S&S PANHEAD-STYLE AND SHOVELHEAD-STYLE ENGINES

This manual covers the S&S Panhead style P93, P93H and P103, as well as the Shovelhead style SH80, SH93, SH93H, and SH103H engines. With detailed photos, in-depth instructions, and complete specifications, it is a "must have" for both professional and home technicians alike. Detailed instructions, tips from the S&S Product Development Department, and large, clear photos will help technicians keep P and SH-Series engines properly maintained for years to come.

750965 S&S P and SH-series engine service manual

S&S T-SERIES ENGINE SERVICE MANUAL

Comprehensive manuals on how to service, build or re-build the S&S T124 engine. Outlines all procedures necessary for both the home mechanic and shop technician to ensure maxi-mum performance and longevity.

750963 S&S T-Series manual

S&S X-WEDGE-SERIES ENGINE SERVICE MANUAL

The S&S X-Wedge engine is a pushrod operated V-Twin engine, and that is about every similarity with a Harley. When you have one or want to know more about this engine this comprehensive manual is a must. Outlines all procedures necessary for both the home mechanic and shop technician to ensure maximum performance and longevity of the S&S X-Wedge 114, 117 and 121 Cubic Inch engines.

750964 S&S X-Wedge engine Service Manual

S&S LOGO DECALS

Self adhesive 5" stickers with S&S Performance Carburetor Logo, and 3" stickers with S&S Proven Performance Logo. Sold in packs of 5.

750520 5" S&S Performance Carburetor Logo

750521 3" S&S Proven Performance Logo

ZODIAC POINT OF SALE ADVERTISING PRODUCTS

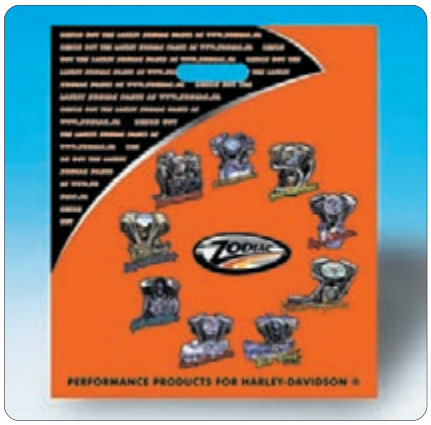
Newly designed Zodiac point of sale flags, stickers and dealer signs. Stickers are available in different sizes that have either normal or "wrong" sticky side for inside the window use.

Note to consumers: When you are in a Harley Shop or Harley Workshop and you don't see one of these signs, you must really start to wonder if you are in the right place!!

999964 Zodiac Authorized Dealer sticker, 8 1/4" x 11 11/16" (21 x 29.7 cm)
999963 Zodiac Authorized Dealer sticker, 8 1/4" x 11 11/16" (21 x 29.7 cm) sticks to the inside of a window
999966 Zodiac Authorized Dealer sticker, 17 5/16" x 23 5/8" (44 x 60 cm)
999965 Zodiac Authorized Dealer sticker, 17 5/16" x 23 5/8" (44 x 60 cm) sticks to the inside of a window

999960 Zodiac sticker, 8 1/4" x 11 11/16" (21 x 29.7 cm)
999959 Zodiac sticker, 8 1/4" x 11 11/16" (21 x 29.7 cm) sticks to the inside of a window
999991 Zodiac sticker, 17 5/16" x 23 5/8" (44 x 60 cm)
999992 Zodiac sticker, 17 5/16" x 23 5/8" (44 x 60 cm) sticks to the inside of a window
999923 Zodiac stickers, oval 5 3/4" x 2 19/32" (14.5 x 6.6cm), 100 pack

999976 Zodiac flag 40" x 60" (100 x 150 cm)



ZODIAC SHOPPING BAGS

Made from fully recyclable Low Density Polyethylene these shopping bags are full color printed with the Zodiac logo surrounded by artist's impressions from nine different Harley engines: Ironhead Sportster, Evolution Sportster, Flathead, Panhead, Knucklehead, early,- and late Shovel, Evolution Big-Twin and Twin-Cam. These bags look so good, they will be a collector's item soon. Bags are 16 1/8" wide and 18 1/2" high. Sold to dealers in packs of 25 pieces.

999822 Zodiac shopping bags, 25-pack

ZODIAC LOGO BANNER

This banner shows the Zodiac logo and is made from strong vinyl with pressed-in copper eyelets. Measures 200 x 100 cm (79" x 39").

999824 Zodiac Logo Banner 200x100cm

S&S NEON CLOCK

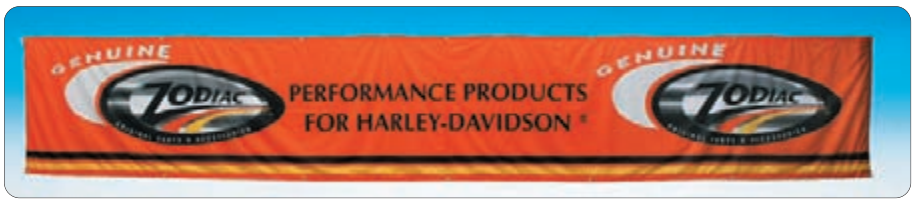
With this S&S neon clock placed on the wall of your office, shop, garage or basement you'll know that every time is "Proven Performance" time.

750642 S&S Neon Clock

SPECTRO METAL DEALER SIGN

Metal Spectro sign measuring 29" x 17" (74 x 43 cm) and available to Spectro selling Zodiac dealers only.

999908 Spectro metal dealer sign



ZODIAC BANNER

A huge, 6 meter (almost 20 feet) long and 1 meter (over 3 feet) high banner with pressed in copper eyelets. Features twice the Zodiac logo and our slogan "performance products for Harley-Davidson". Made of strong woven polyester with high quality imprint that will last for years, no matter if the banner is used indoors or outdoors.

999989 Zodiac banner

S&S PLASTIC POLISHING KIT
This kit is designed to clean, polish and protect plastic components found on today's motorcycles. It is a 2-stage process that can be used on windshields, headlights, taillights, turn signals, instruments, helmets, visors, goggles, and more. For plastic surfaces needing extra attentions, use Phase I to eliminate surface blemishes, followed by Phase II to provide a protective, slick coating and produce a healthy shine. For undamaged items that only need some extra shine, use Phase II by itself. Phase I is a fully synthetic wax based polish that produces a hard and durable coating. This polish offers excellent cleaning characteristics and will remove the haze and oily residues from road film. Safe to use on clear and colored plastics, this polish will remove light scratches and UVB damage caused by sun exposure. Phase II can be used as a pre-cleaner to dissolve grease, bug residue, and road film, as well as final polish. Use primarily on all plastic windshields to keep them free of dirt and grime. This super-slick finish makes it harder for any foreign substances to adhere to the plastic. A unique formula also helps reduce fogging for clear visibility. This is recommended as a follow-up to Phase I, providing a slick, protective coating and brilliant shine. The Plastic Polishing Kit contains: 3" Shur-Grip drive for use in a 1/4" electric or cordless drill, 3" Orange Foam Pad, Phase I & Phase II compounds, and Micro Fiber Towel for clean up and polish residue removal.
750772 S&S Plastic polishing kit

S&S PAINT POLISHING KIT
This kit is designed to restore the shine and luster from old or damaged paint. It is a mild polish, designed to remove spider webbing, scuff marks and most superficial damage on a variety of paint types from laquers, enamels, and polyurethane's, leaving a superior shine. The Paint Polishing Kit contains Paint Polish designed to work with wool and foam applicators, Natural Lamb's Wool and Foam Pads for exact application of polishing liquid on damaged areas, 3" Shur-Grip drive that mounts easily in a standard electric or cordless drill, and Micro Fiber Towel to remove polishing compound and wax residue left behind by the polishing process.
750773 S&S Paint polishing kit

X-TREEM PRE-WAX CLEANER
Designed to remove old wax buildup and oxidation prior to waxing your vehicle. This products is safe for all clear coated surfaces. X-Treem recommends it to be used once or twice a year prior to waxing your bike. This way you will be sure to get a professionally prepared finish. Available in 16 oz. bottles with flip top.
238473 X-Treem pre-wax cleaner

S&S PAINT REPAIR KIT
This kit is designed to remove old faded paint and repair minor surface damage. A special blend of polish pads and abrasives were chosen to remove surface damage of paint that needs more than a little TLC. This kit will go beyond the routine cleaning and polishing to tackle the occasional damage that happens with everyday riding, such as tank bags, saddle bags, etc. that wear out paint. The S&S Paint Repair Kit contains Paint Polish designed to work with the special applicators that are also in the kit, 2" Shur-Grip drive that easily mounts in a cordless drill, polishing pads to attach to the Shur-Grip, wet sanding paper in a variety of grits, and details instructions how to use the Paint Repair Kit properly.
750774 Paint repair kit

Note: This kit cannot repair scratches and other damage that have broken or removed the painted surface.

NEVR-DULL WADDING POLISH
Nevr-Dull is chemically impregnated cotton wadding manufactured under a special process. Cleans and polishes by the combination of special ingredients. All you do is tear off a small wad of Nevr-Dull and rub slowly over the surface to be cleaned, then take a clean dry cloth and gently buff. Your metal surfaces will shine like never before. Removes rust and tar while leaving a high luster and protective film on chrome, aluminum, brass and other surfaces.
232010 Nevr-Dull Wadding Polish

ACCEL FLUID-ZAP PADS

FluidZap™ pads are designed for all work areas and eliminate the need for expensive shop rags or laundered towel services. Made with a patented process, these highly absorbent disposable pads are designed to absorb automotive liquid including gasoline, transmission fluid, motor oil, brake fluid, anti-freeze and more. The pads are strong and durable perfect for use under motorcycles, cars, trucks and lawn equipment, or anywhere that something may leak and spill causing a dirty or unsafe condition. They are also ideal for use on workbenches, especially when working on oily or greasy projects like transmissions or small engine repairs. FluidZap pads are so absorbent that each pad can contain up to 1/2 quart of oil! Professional mechanics and weekend home mechanics alike will appreciate the versatility, performance and exceptional absorbency of FluidZap Pads for even the toughest jobs! Pad size is 17" x 23".

231752 Fluid-Zap Pads

WURTH BELT DRIVE LUBRICANT WITH TEFLON

This easy to use spray is developed for the maintenance of toothed belts and therefore the ultimate maintenance product for use on primary as well as rear belt drives. Among other special ingredients it contains Teflon, which has excellent lubrication properties for use on rubber and or kevlar drive belts. The use of this lubricant helps to extend the life of your belt. Comes in a 300 ml spray can. Sold each.

239318 Belt drive lubricant

HELMET AND HELMET VISOR CLEANER

Ideal for cleaning insects, dirt, grease, silicon etc, from helmets and helmet visors. Can also be used to clean light units and fairings. Comes in a spray cans of 150 ml. (does NOT contain CFK gas).

239290 Single spray can

SPRAY CAN MOTORCYCLE CLEANER

Easy to use motorcycle cleaner. Can be used to clean the complete motorcycle including parts made of stainless steel, chrome, aluminum, rubber etc. Protects against corrosion, is PH neutral and acid free. The cleaner is based on natural products and will biologically break down.

239291 Single can, 500ml

PROFESSIONAL ENGINE CLEANING BRUSH KIT

It is the same for cleaning equipment as it is for tools: the proper tool is half the job. This kit contains 9 different brushes with stiff nylon bristles in diameters ranging from 1/4" thru 5". The perfect tool to clean oil passages and beating bores. Bristles will not melt when used with solvents. All brushes have a loop on the end of the handle for easy hanging and storage.

731542 Brush Kit

SPECTRO XL-1 PREMIUM MOTORCYCLE WASH

Unbeatable cleaning power blended to perfection for use on all types of street bikes. Can also be used for dirt bikes, ATV's, and PWC's. The unique blend of grease cutters and PH balanced cleaning agents powers off dirt, grease, grime, bugs, brake dust and road film yet is gentle enough to use everyday without fading or stripping wax, decals, pin striping or custom paint jobs. Spray Spectro XL-1 on the entire bike and thoroughly rinse for a sparkling, streak-free clean that leaves bikes looking new. Spectro XL-1 is an aqueous based cleaning solution containing water conditioners and anionic surfactant. Contains no petroleum solvents or harsh chemicals, is non-flammable, non-combustible and completely soluble in water. Available in spray cans, bottles and cans.

741211 5 oz. Spray can, each
741212 25 oz. Bottle, each
741213 32 oz. Bottle, each
721762 1 Gallon can, dealer pack of 4
741214 1 Gallon can
721763 5 Gallon can

SPECTRO QWIK SHOT ONE-STEP DETAILER

Spectro Qwik Shot cleans, shines and protects in one easy-step. The revolutionary cleaner & polish formulated specifically for motorcycles. Qwik Shot easily removes surface dust, dirt, light grease, water spots, bug splatter and road film while beautifying and protecting the finish. Use Qwik Shot on chrome, aluminum, fiberglass, plexiglass, clear coats and other painted surfaces. Ideal for a quick and easy shine on the road or when no water is available. Qwik Shot is an aqueous suspension of silicone oil, cleaning agents and lemon fragrance. Available in 5 oz. spray cans and 16 oz. bottles.

741215 5 oz. Spray can, each
741216 16 oz. Bottle, each

SPECTRO'S ALL PURPOSE CONTACT/ BRAKE CLEANER

An ideal spray to quickly clean and degrease all metal surfaces, leaving no residue. Works perfectly when used to clean your disc brake rotors, calipers and brake pads. Can also be used for degreasing engine parts. Sold in 12.5 oz. bottles.

235213 12.5 oz Spray can (each)
235214 Shop case of 12 spray cans

CHEM-TOOLS 5 PIECES CARE SET

Chem-Tools assembled for you all necessary products to maintain your bike in premium condition. Supplied in a plastic box you will find a micro fiber cloth and four different sealers and polishes.

- Acryshield S, high quality acrylic polish, bottle of 100 ml
- Acryshield, sealer for smooth surfaces, 150 ml
- Alu Protect, sealer and anti corrodent for polished aluminum, 150 ml
- Alu & Chrome Polish, premium quality metal polish, 100 ml

All products are silicone free.

741598 Chem-Tools 5-Piece care set

CHEM-TOOLS CUSTOM WASH

Attack the dirt and muck on your bike with this powerful cleaner. This very effective formula leaves a shiny finish, cleans without streaks or stains. Works well on all kinds of surfaces, even brake dust is easily removed. Available in a one liter bottle. Not intended for Rat Bikes!

741595 Custom Wash

CHEM-TOOLS ACRYSHIELD

An acrylic sealer for all smooth surfaces. Removes water stains, fingerprints and smears from paint and chrome, and protects windshields, armrests, chrome and even seats from scratching and wear. During polishing Acryshield builds up a protective antistatic layer which will last for months.

741596 Chem-Tools Acryshield-S bottle 500 ml
741594 Chem-Tools Acryshield Aerosol 400 ml

CHEM-TOOLS METALL CLEAN

A cleaner and polishing product in one. Protects against corrosion on all metal surfaces. Metall-Clean is acid free and silicone based. Comes in a 250 ml tube.

741597 Chem-Tools Metall Clean

CHEM-TOOLS ACRYSHIELD S
Acrylic polish for use on paints of any kind. Creates a protective coating that will last for months. Bottle of 500 ml.
741600 Chem-Tools Acryshield S

CHEM-TOOLS STRIPAX SPRAY
This paint stripping fluid is so powerful it makes stripping paint a nice and easy job. Comes in a 500 ml spray can.
741599 Chem-Tools Stripax Spray

LUSTER CARE DISPLAY RACK
The perfect presentation of Luster Care products in your shop. An attractive sales display, completely built and loaded with Luster Care products, only requires limited space (32 x 32 cm). Comes complete with 6x Luster Lace Combo (701208), 6x LusterPad (701212), 6x LusterSeal (701214), 6x Revitalizer (701215) and a pack of info brochures.
701216 Luster Care Display rack

LUSTER LACE CHROME POLISH
A non-abrasive polish and super-protectant specially formulated to bring a brilliant shine to chrome and other fine metal surfaces, also works on paint and clear lacquer. Bottle contains 8 fl. oz. (216 ml).
701224 Luster Lace Chrome Polish

LUSTER REVITALIZER
Replenishes the liquid ingredients in Luster Lace. Just a few drops of Revitalizer can extend the life and polishing qualities of Luster Lace.
701215 Revitalizer. 2 oz. bottle

LUSTER LACE METAL POLISH
Luster Lace is a polishing system like no other. It's so unique it's patented. Developed specifically for round and tubular objects, Luster Lace polishes all the way around in one motion, so you don't miss a spot. Polish impregnated Luster Lace is fast and easy to use with polishing power that can't be beat. No other method cleans and polishes with the speed or efficiency of Luster Lace Metal Polish. Available in three convenient sizes or a combo pack that covers it all.
701209 Luster Lace Narrow, 1/2", 14 pieces and 18ft. total
701210 Luster Lace Medium, 3/4", 9 pieces and 15ft. total
701211 Luster Lace Wide, 1 1/4", 6 pieces and 14ft. total
701208 Luster Lace Combo, 4 Narrow, 3 Medium and 2 Wide, total 15ft.

Luster Care
POLISHING PRODUCTS EUROPE

LUSTER PAD METAL POLISH

Luster pad metal polish contains a specially formulated cleaner/polish em-bedded into the cloth. Luster Pad is perfect for flat and uneven surfaces and is excellent on aluminum wheels, engine casings, valve covers and much more. Just a 2" piece is all you need. For the larger surfaces use the Luster Super Pad.

701212 Luster pad metal polish, 3/4" total 5ft.
701213 Luster Super pad metal polish, diameter 13 cm

LUSTER SEAL METAL SEALANT

Luster Seal metal sealant is an advanced non-abrasive acrylic formula specially designed for cleaning, preserving and protecting chrome, clear coat, painted wheels or any bare metal surface. Seal in the shine, seal out pollution, oxidation and salt damage. When used alone or with any Luster Care polishing product, Luster Seal Metal Sealant will seal and protect your shine for up to 6 months.

701214 Luster Seal 8 oz. bottle

LOCTITE THREAD-LOCKERS

For the professional and serious bike builders we offer a variety of Loctite threadlockers, sea-lants and retainers in different strength. Make your selection of the right grade for the right job Loctite 222 Purple threadlocker for aluminum Low strength threadlocker designed for use with fasteners under 1/4" (6 mm) in aluminum, that require occasional adjustment. Removable with normal hand tools.

720138 6 ml. Tube
720139 10 ml. Bottle

LOCTITE 242 BLUE ALL PURPOSE REMOVABLE MOUNT

Medium strength thread locking fluid that locks all nuts, bolts, seals, screws and fittings 1/4"(6mm) or larger. Will seal against air leaks, oil leaks, fuel and hydraulic leaks. Can be easily dismantled with regular tools (OEM 99642-87T).

720110 6 ml. Tube
720180 36 ml. Bottle

PERMATEX PERMANENT STRENGTH THREAD-LOCKER RED

A high strength thread locker that can be applied to 3/8" to 1" fasteners. Designed for securing parts that must withstand heavy shocks and vibration. Heat and hand tools are required for disassembly.

720181 6 ml. Tube
722038 36 ml. Bottle

LOCTITE 271 RED, STUD 'N' BEARING MOUNT

High strength for Heavy Duty applications. For permanently locking studs and press fits. Restores worn bearing houses. Replaces set screws and snap rings. Locks against vibration loosening. Requires extra effort for removal (OEM 99671-87T).

720111 6 ml. Tube
720112 36 ml. Bottle

LOCTITE 272 RED, HIGH TEMPERA-TURE, HIGH STRENGTH

Prevents bolts and press fits from 3/8" to 1" (10 mm to 25 mm) from loosening due to shock, severe vibration and heat stress. Suited for temperatures up to 450° F (235° C). Removable with heat and hand tools.

720137 6 ml. Tube
720113 10 ml. Bottle

LOCTITE 290 GREEN, PENETRATING THREAD-LOCKER

A low viscosity liquid that wicks along the threads of pre-assembled fasteners to secure them in place. For fasteners ranging from #2 to 1/2" (2.2 mm to 12 mm) in size. Removable with heat and hand tools.

720114 6 ml. Tube
720115 36 ml. Bottle

PERMATEX HYDRAULIC SEALANT

Designed for sealing and locking hydraulic and pneumatic systems. Contain no particles that couldcontaminate fluids or foul valves. For use with hydraulic brake line fittings and nipples, as well as transmission, and pneumatic fittings. Has controlled locking strength.

722350 50 ml. Bottle

LOCTITE 640 BEARING FIT AND SLEEVE RETAINER

High strength, anaerobic adhesive. Secures any slip fit assemblies. Adds up to 3000 PSI holding power. Secures bearings, bushings valve guides, valve seats, liners, etc. and restores fit to worn or out-of-tolerance assemblies. Requires special tools and heat for removal.

720116 6 ml. Tube
720117 36 ml. Bottle

LOCTITE THREADLOCKER JOB PACKS

Single job-size packs of our most popular threadlocking products, Loctite 242 and 271. Great for add-on sales to repair parts or service charges. Small products packages are easily carried in a tool belt or box.

720134 Loctite 242 refill 0.5 ml pack of 25 tubes
720135 Loctite 271 refill 0.5 ml pack of 25 tubes

LOCTITE STRIPPED THREAD REPAIR

Loctite's 'Form-A-Thread' repair is the answer to stripped threads on bolts. Makes reliable thread repairs without drills, taps, tools or inserts. Restores worn, stripped or damaged threads and eliminates future corrosion, galling, seizing and rust. Suggested applica-tions: Intake manifolds, timing cover bolt threads, valve cover bolt threads etc. Loctite claims it is effective between -65 to 300 degrees Fahrenheit (-50 to 165 degrees Celsius) and up to 125ft. lb.

720118 .44 oz. Kit

PERMATEX "THE RIGHT STUFF" GASKET MAKER

The latest in rubber gasket technology, makes a leak proof and blow-out resistant gasket in just one minute that out-performs a pre-cut gasket. Specified on production lines by the major car builder such as General Motors, Ford and Chrysler. Temperature range -75° to 450° F (-60° to 290° C). Resists automotive and industrial fluids. Suggested application: Valve covers, crankcases, covers, transmissions, etc. Comes in pressurized can, simply clean and dry the surfaces, apply the bead continuously by pressing the applicator tip, assemble the parts within 5 minutes of applying The Right Stuff and drive away without waiting.

720136 4 oz. Auto tube
720127 7 oz. Auto tube

PERMATEX SUPER GLUE

Permatex Super Glue works on more surfaces than other instant adhesives. Special formula allows for faster bond on more surfaces. Comes ready to use in a 2 gram tube.

722048 Permatex Super Glue

PERMATEX GASKET REMOVER

This fast-curing formula, sensor-safe gasket remover quickly removes even baked-on gaskets and sealants. Removes gaskets from any type of assembly in 10 to 12 minutes, prevents damage to flanges and reduces scraping and sanding. It also prepares metal parts for new gaskets and assembly. A "must-have" for every professional and great help for do-it-yourself jobs. Comes in a 12 ounce spray can.

720128 Permatex gasket remover

PERMATEX "GREEN" DECAL & PAINT STRIPPER

Permatex "Green" products are environment friendly products that are biodegradable. Contains no CFC's or harsh chlorinated solvents but do the job they are made for. "Green" decal & paint stripper quickly strips and removes decals, stickers, stripes and paint. Eliminates costly and time-consuming sanding and scraping. Works in 10-15 minutes at temperatures from 40°F to 100°F (5° to 38° Celsius). Comes in easy to use 12 ounce (355 cc) spray cans. Sold each.

720124 Permatex "Green" Decal &Paint Stripper

LOCTITE

PERMATEX ULTRA GREY RTV SILICONE GASKET MAKER

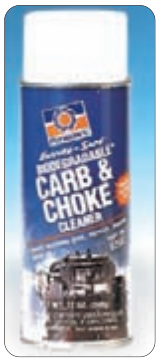
Designed for High-Torque applications. Sensor safe, low odor, non corrosive. Has outstanding oil resistance and is guaranteed not to leak. Works in the temperature range of -75°F to 625°F (-60° to 330° C), resists auto and shop fluids and is vibration proof.

720132 3.5 oz. Tube

PERMATEX ULTRA COPPER HIGH TEMP SILICONE RTV GASKET

Permatex Ultra Copper high temperature silicone RTV gasket is sensor-safe, low odor and non corrosive. It is the most advanced high temperature silicone gasket available and gives superior adhesion, is outstanding oil resistant and has excellent torque retention. Temperature range from -75°F to 700°F (-60° to 370° Celsius), resists all types of automotive and shop fluids and vibration. Recommended for use on exhaust manifolds and connectors, valve covers, etc. Comes in a 3 ounce (90 cc) tube. Sold each.

720131 Permatex Ultra Copper high temperature silicone RTV gasket



PERMATEX CARBURETOR & CHOKE CLEANER

Effectively removes gum, varnish and deposit build-up. The "shear action" spray systems improves performance, and fuel burns more efficiently. Biodegradable, non-corrosive, non-caustic, low toxicity, no CFC's or chlorinated solvents. 12 oz. Spray can. Sold each.

722037 Carburetor and Choke cleaner

PERMATEX DIELECTRIC TUNE-UP GREASE

Permatex Dielectric tune-up grease protects electrical connections, wiring and bulb sockets from salt, dirt and corrosion and prevents voltage leakage around any electrical connection. Also prevents spark plugs from fusing to boots. Comes in 0.33 ounce (10 ml) tubes. Sold each.

720126 Permatex Dielectric tune-up grease

PERMATEX "GREEN" PLASTIC CLEANER

"Green" products are environment friendly products and bio-degradable. Contains no CFC's or harsh chlorinated solvents but do the job they are made for. "Green" Permatex Plastic Cleaner cleans and polishes most plastics (including Formica), fiberglass, acrylics, enameled surfaces, ceramics, stainless steel and glass without scratching. Removes grease, stains and dirt. Forms a water repellent, anti-static shield which resists fogging. Comes in a 16 ounce (0.47 liter) spout-top can. Sold each.

720125 Plastic Cleaner

LOCTITE COLD WELD BONDING COMPOUND

A 15 minute, two-part adhesive and filler system that eliminates the need for welding or brazing. Once cured, it can be drilled, sanded, painted or filed. Works on aluminum, steel, brass, bronze etc. and will fill cracks in castings. Resists most automotive, shop and cleaning fluids. Withstands temperatures to 300°F intermittent and has over 3000 PSI shear strength on steel.

720121 Two 1 oz. tubes

PERMATEX PRUSSIAN BLUE

Permatex Prussian Blue aids precision fitting of machined surfaces. Locates high spots on bearings, valves, gears and other close to the tolerance components. Permatex Prussian Blue is non-drying and easy to clean up. Sold in. 75 fl. oz. (22 cc) tubes.

720133 Permatex Prussian Blue

PERMATEX VALVE GRINDING COMPOUND

Will make valve grinding an easy job, will also remove burrs, surface defects, carbon, gum and corrosion. Can also be used for lapping and grinding chromium. Permatex valve grinding compound mixes with water to form an easy to use paste. Sold in 1.5 ounce and 3 ounce boxed tubes.

720217 1.5 ounce boxed tube
720218 3 ounce boxed tubes

SPECTRO ASSEMBLY LUBRICANT

Spectro assembly lubricant is recommended for initial scuff and wears protection in re-assembly and repair of engines. This is a heavy lubricant fortified with anti-scuff polymers. Spectro assembly lubricant when, applied to rings, cam lobes, gears and bearings, coats and plates completely and assuring total starting protection. It is compatible with all petroleum-based products. It also exhibits anti-rust properties for prolonged storage of engine or transmission parts.

741348 Spectro assembly lubricant, bottle of 4 oz
741335 Shop pack of 12 bottles

TIE-DOWN BRACKET AND CABLE GUIDE

Chrome plated bracket used as a cable guide for routing clutch or speedo cables on many Harley models. Also usable as gas line routing or tie-down/bungee cord bracket. Sold in 10 pack (OEM 38623-68).

090067 Tie-down bracket and cable guide

TIE DOWN FITTING KIT

These tie down fittings lock into the floor mounted anchor plate thus providing secure attachment of the tie down straps. Easy to install and easy to remove when not in use. Excellent for the use in vans, trailers and the back of pick-ups. Each kit includes lock ring, anchor plate and hardware.

236299 Tie Down Fitting Kit

CHROME BUNGEE NUTS

Made of high-grade carbon steel, then chrome plated. Bungee nuts can work as tie-down knob or an excellent spring anchor and can be used to replace shock absorber nuts. Sold in pairs.

345160 Bungee nuts 5/16" - 18 UNC
345161 Bungee nuts 3/8" - 24 UNF (OEM 98184-90T)
345162 Bungee nuts 3/8" - 16 UNC (OEM 98185-90T)

HEAVY-DUTY TIE DOWNS

Extra heavy-duty tie downs, especially designed for holding heavy motorcycles like the Harley Davidson. The locking cam is 'toothed' and two-sided, not just clamping the strap, but gripping it between two facing toothed jaws that will not vibrate loose or pull free. The strap is woven from weather resistant nylon web, is 5 feet long and 1" wide and fitted with 3/8" vinyl coated steel hooks. Sold in pairs.

080039 Tie-Downs

MASTER LOCK TIE DOWNS WITH RETENTION HOOKS

Set of four, 180 cm long tie downs with heavy-duty locking cam mechanism and spring loaded retention hooks. Locking mechanism has a protectant finish that offers a rich appearance and 3x more corrosion resistance. The S-hooks with retention clips aid installation, the over-molded grips protect and aid operation. Use all four to tie your bike down on a trailer, in a van or to secure it to your motorcycle lift when working on your bike.

738017 Set of 4 tie downs with retention hooks

RATCHET TIE-DOWNS

These ratchet operated tie-downs provide a reliable way to secure your bike in truck, van or trailer or on the lift in your work-shop. Made by Master Lock using their high tensile strength Monster Weave™ strapping and featuring Razor Coat™ ratchet grip with a PVC coated handle. Straps are 4.25 meter (14 feet) long and have a tensile strength of 450 kg. All metal parts have a high corrosion resistant silver colored coating. Sold in sets of 2.

738012 Master Lock ratchet motor-cycle tie-downs, pair

EXTRA HEAVY DUTY RATCHET TIE-DOWNS

These ratchet operated tie-downs provide a reliable way to secure your bike in truck, van or trailer or on the lift in your workshop. Made by Master Lock using their high tensile strength Monster Weave™ strapping and featuring Razor Coat™ ratchet grip with a PVC coated handle. Strap is 4.50 meter (15 feet) long and has a tensile strength of 2500 kg. All metal parts have a high corrosion resistant silver colored coating. Sold each.

738014 Master Lock Extra Heavy Duty ratchet motorcycle tie-down

MASTER LOCK LASHING STRAPS

Lashing straps are great to secure larger and heavier loads to your bike, but can also be used to tie down motorcycles on trailers, in vans, or on your motorcycle lift. These Master Lock lashing straps are 5 meters long, metal parts feature Master Lock's unique corrosion resistant finish. Sold each.

738018 Lashing strap, 5 meter

PINGEL® REMOVABLE WHEEL CHOCK

The Pingel® wheel chock secures a motorcycle in your van, truck or trailer, and features a quick and easy removal. The wheel chock is made from heavy duty thick wall steel construction and includes a near-flush floor mounting hardware for easy installation and removal. The wheel chocks are available in 2 dimensions: 3 1/2" and 6 1/2" wide. Extra wheel chock mounting hardware is separately available to enable the location of the wheel chock in alternate locations. There is also a mounting plate available that will take 3 1/2" or 5 1/2" wide wheel chocks. These wheel chocks are a Trademark of Pingel Enterprises Inc. and made in the USA.

236342 3 1/2" Wide, takes wheels with up-to 3 1/2" wide tires (8.5 cm)

236344 6 1/2" Wide, takes wheels with up-to 6 1/2" wide tires (13.5 cm to 16.5 cm)

236345 Extra wheel Chock mounting hardware (pair)

236349 Wheel chock mounting plate 3 1/2" and 5 1/2"

PINGEL® PERMANENT WHEEL CHOCK

The Pingel® wheel chocks are also available with drilled mounting holes. They mount permanently on the floor of your truck or trailer. The wheel chock is made from heavy duty thick wall steel construction and includes mounting hardware for easy installation. Available in 3 dimensions. These wheel chocks are a trademark of Pingel Enterprises Inc. and are made in the USA.

236346 3 1/2" Wide, takes wheels with up-to 3 1/2" wide tires

236347 5 1/2" Wide, takes wheels with 3 3/4 to 5 1/2" wide tires

236348 6 1/2" Wide, takes wheels with up-to 6 1/2" wide tires (150/160 mm)

MASTER LOCK DISC BRAKE LOCK

This disc lock features a 65 mm (2 1/2") deep and 9 mm wide throat that boosts a high security disc cylinder. Bright red painted, comes complete with reminder cable and carrying pouch. Prevents for roll-away theft.

738006 Master Lock

MASTER LOCK CHROME DISC BRAKE LOCK

Sleek cylindrical chrome plated disc brake lock to prevent for roll-away theft. The lock has a 25 mm (1 inch) throat with a 8 mm (3/16") shackle. Fits up to 6 mm thick disc brake rotors. Features high security disc cylinder and push button locking mechanism. Carrying case and reminder cable are included.

738007 Chrome disc brake lock

MASTER LOCK PADLOCK STYLE DISC BRAKE LOCK

This disc brake lock has a hardened solid steel body and features a 14mm (9/16") double locking shackle for superior pry and cut resistance. The vinyl coating on body and shackle prevent scratches. Lock has a 45 mm (1 3/4") wide and deep throat, the housing features a 7-Pin cylinder for extreme pick resistance. This construction is stronger than most other disc brake locks and prevents for roll-away theft. Please do not forget to remove it before trying to ride away.

738008 Master Lock

Master Lock

MASTER LOCK CHAIN LOCK WITH ANCHOR

A 140 cm (55") long chain made from 10 mm (25/64") hardened steel links, completed with an integrated hardened steel lock. Comes complete with a steel anchor and security bolts to fetch the anchor to wall or floor. The chain is covered with a tough woven material to prevent for scratching your paint job.

738009 Master Lock chain lock

"THEFT KILLER" BY MASTER LOCK

American made fully adjustable cable lock that always adjusts for a perfect fit. The patented 3-position cinch tight locking mechanism allows you to adjust the cable length from as little as 30 cm (1 foot) to as big as 180 cm (6 feet). The 10 mm thick braided steel cable is made tough to resist cutting or snapping. Longer cables in 3.60 meter (12 feet) or 9 meter (27 feet) are separately available and can be used with the "Theft Killer" lock. Ideal for locking downs your helmet and leathers.

738001 "Theft Killer" locks with 180 cm braided steel cable

738052 NEW 3.60 meter (12 feet) cable without lock

738053 NEW 9 meter (27 feet) cable without lock

MASTER LOCK BRAIDED STEEL CABLE WITH U-BAR LOCK

A 150 cm (59") long, 20 mm (over 3/4") thick braided steel cable with a protectant vinyl coating to prevent for scratching. Comes complete with a strong mini U-bar lock and 4 keys.

738050 Braided steel cable with U-bar lock

MASTER LOCK CHAIN LOCK

A 120 cm (47") long chain made from 11 mm (almost 7/16") hardened steel links, covered with a tough woven material to prevent for scratching your paint job. Comes complete with a 67 mm wide (2 5/8") "Pro-Series" Master Lock with a solid iron shackle shroud that resists harsh physical attacks, a wide laminated steel body for superior strength, a dual ball bearing locking mechanism that resists pulling and prying and 4 keys.

738051 Master Lock chain with lock

"JACK ASS" FLEXIBLE STEEL LOCK

American made hardened steel lock, looks like a cable but is in fact made of hardened cylindrical links that make the lock stronger and more flexible as an ordinary cable lock. The lock is 2 meters (6 feet) long and features a thick vinyl coat to protect against scratches.

738002 "Jack Ass" Flexible steel lock

U-BAR SHACKLE LOCK BY MASTER LOCK

This American made U-bar shackle lock provides maximum security. The special steel alloy shackle resists strong attacks. Features vinyl coated U-bar and lock housing to prevent for scratches. The double locking shackle has a throat of 88 mm (3 1/3") and is 300 mm (11 3/4") long and withstands over 8 Tons, the 10-disc anti-drill and anti-pick security cylinder comes with reversible keys for easy locking. Lock features a Lifetime warrantee.

738003 Master U-Bar shackle lock

BAR & SHIELD PADLOCK & LEATHER POUCH

One of the best selling locks of all time. A beautiful lock with a long, proven history of success. The leather pouch provides a handy place to store your padlock. It has a snap flap, embossed Bar & Shield logo, and it is sized to hold a variety of padlocks, including the Harley-Davidson Bar & Shield Padlock. Two Heavy-Duty tie straps are included. Lock and pouch are sold separately.

750100 Bar & Shield padlock
750101 Bar & Shield padlock pouch

PINGEL® LOCKSTER™ PADLOCK AND LOCKHOLDER

The lockholder was designed to store the padlock on your bike when it is not securing the bike. It holds your lock in place so it's there when you need it. Holder is made of polished stainless steel, to avoid rust or corrode. Installation is fast and simple by using existing holes, no drilling is required. Holder may be mounted to numerous places.

234406 Padlock holder
234407 Padlock

AMA3 GSM/GPS SECURITY & ALARM SYSTEM

Wherever you are, stay tuned with your bike. The AMA3 GSM/GPS is an alarm system that even keeps track of your valuable motorcycle. It will send a SMS (text message) to your mobile phone to inform you about every unwanted approach of your vehicle and also traces the vehicle thanks to the GPS function. All functions, password and telephone number are programmable through your mobile phone by sending an SMS (text) message. The AMA3 GSM+GPS alarm system is easy to connect and is easy on your battery as it has a very low current consumption, but is also equipped with a Li-Ion back-up battery. Protects against shocks and lift up thanks to the built in omni-directional GOLD-plated shock- and movement sensor. Even protects against key theft. The alarm system is automatically armed when you switch off the ignition key and sends a SMS (text) message with the location of the vehicle to your mobile phone when the bike is moved, or the battery disconnected, or being tampered with. The longitude and latitude given can be used on, for example, Google Maps to locate your bike within a few meters. Apart from this sophisticated GPS tracking the system also features output for start interruption or siren. Can also be connected to an existing alarm system on your bike, but also on cars, boats and other vehicles. Mobile phone not included.

FEATURES:

-Two-way communication between your mobile phone and the AMA3.
-No range limit.
-Build-in LI-ION POLYMER back-up battery.
-External GSM/GPS antenna.
-Battery monitoring and low battery warning via SMS (text) message.
-Can be re-programmed to communicate with an other mobile phone or mobile phone number
- All functions are password protected.

TECHNICAL SPECIFICATIONS:

Power supply: 8 to 20 VDC.
Wiring loom: length 1.5 meter, fused with 2A.
Power Consumption: - 14 mA standby and 20 mA to 2A (peak) in alarm phase.
Programmable positive or negative trigger input.
Alarm output (12V positive max. 0.5 A).
Build-in LI-ION charger 4.2 V - 120 mA.
Back-up battery: LI-ION POLYMER 3.7V - 720 mAH.

DIMENSIONS: L= 92 mm x W= 50 mm x H= 23 mm (L=3 5/8" x W=2" x H=7/8")
IP66 waterproof rated
Approved under e 6 03 0222
RoHS compliant GPS module: SiRF star III

751700 AMA3 GSM/GPS Alarm System
751701 Optional relay to switch appliances that use more than 0.5 Amps

THE WORKSHOP SCOOTER
Take the load off your feet and back when working on a bike with the Workshop Scooter. Seat has four swivel wheels to allow you to creep around your project, vinyl covered seat, a handy tool tray, and comes bright red painted.
721676 Workshop Scooter

ZODIAC MINI-LIFT
The Zodiac Mini-Lift was originally designed for use in professional work-shops but also found its way to the Harley owner. The Mini-Lift is an unbeatable tool when working on motorcycles without center stand. For Sportsters there is an optional frame support bracket kit available that is fully adjustable to the width of the bottom tubes. In general this kit is not required for Big Twins. The Mini-Lift is perfect for use in combination with a workshop lifting platform when working on the front end or when taking out the rear wheel. Features great usability, top quality and is economically priced.

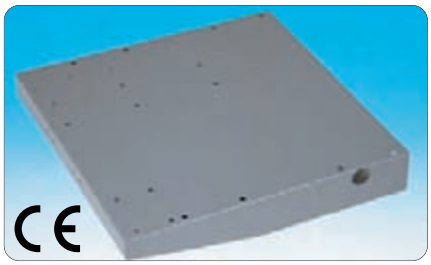
Specifications: Folded height 3 1/2" (90 mm), Lifting height 15 3/4" (400 mm), Maximum load 660 lbs. (300 kg), Platform size 5 7/8" x 17 3/4" (150 mm x 450 mm), Weight 29 lbs. (13 kg).
970250 Zodiac Mini-Lift

HANDY AIR ASSISTED WORKSHOP LIFT
The Handy AirLift is used in motorcycle workshops around the world. It has a lifting capacity of 1000 Lbs. (453 Kg) and an 80" x24" (203 cm x 61 cm) deck, making it ideal for working on motorcycles, ATV's, snowmobiles, etc. The Handy lift is made of solid steel and is powered by air. Required air pressure is 100 Psi. (7 bar) and 6.7 CFM (190 liter/minute). Lift provides a safe and comfortable height to work on your bike. Complete the lift with a Cycle Vise to position bikes upright, the fully adjustable 13" Front extension, the Lift Dolly to make it easier to move the lift around your workshop. CE Approved.

741350 Handy Air Lift

Lift Dolly
The Handy Lift is heavy, so use the Lift Dolly to glide it around your workshop.
741353 Lift Dolly

Cycle Vise
The essential lift accessory, positions bikes upright.
741349 Cycle Vise



13" Front Extension
If you need to work on a long bike, here's the secret. This Front Extension makes the Handy Lift 13" longer, which adds up to 93" (236 cm). Front Extension is 3 3/4" (9.5 cm) high, total length is 24" (61 cm), and 24 1/2" (62 cm) wide.
741352 13" Front Extension

CREEPER BAR STOOLS
Too low to take to the local Pub but excellent for workshop use. Features swivel style wheels for easy "crawling" around the bike, 15" diameter bottom tool and parts tray, gas type shock absorber in the seat post to spare your back and 14 1/2" diameter seat area. The seat is height adjustable from 17 1/2" (44 cm) to 22 1/2" (57 cm). Available with full color Flamed North Sea Chopper logo.
999902 With North Sea Chopper logo

"AIR FORCE BLASTER" BIKE DRYERS

The Metro Air Force Blaster motorcycle dryers are specifically designed for cleaning and drying motorcycles with dry, filtered air that is about 20-25 degrees above the ambient temperature. The Air Force Blaster is the quickest and most efficient method to dry motorcycles thoroughly and eliminates water spots, it will cut cleaning time by 80%. Five to seven minutes is all it takes to quickly and effectively dry motorcycles. No more water spots or stains, no more leaf blowers, no more compressors, just a lot of more time to ride. The Blaster is completely safe for all paint and chrome finishes. Air Force Blasters are available in three versions a 1.5 HP side kick, a 4.0 HP version for personal use, and a 8.0 HP version for professional use and those who do not want to lose a second drying their bike.

The Metro Blaster SideKick

is a handheld companion to the larger Metro Air Force Blaster. The SideKick is perfect for someone looking for a compact, affordable, effective way of drying a motorcycle quickly. People who already own the Air Force Blaster will find the SideKick is a great substitute when traveling. The Metro Blaster SideKick has all the features that you could ask for in a compact dryer: it is lightweight, portable and convenient.

Features:

- 85CFM (2400 Liter per minute) Air Volume
- 200 MPH (320 KM/H) air speed
- 1.3 HP Motor
- 8 Amp, 240 Volts, 950 Watt
- 12 feet (3.66 meter) long grounded cord.
- 2 nozzles included

The 4.0 HP version features

- 4.0 Peak Horsepower (29,000 FPM) Motor
- Rugged all Steel Construction
- 10 Foot (4.5 meter) Heavy Duty Hose
- Heavy Duty Neoprene Blower Nozzle
- 5 Piece Attachment Kit

For the 4.0 HP version there is also an accessories package including a wall/table bracket, 10 feet (3 meter) hose extension kit and a carrying case available.

The 8.0 HP AirForce Master Blaster

This Motorcycle Dryer features a total of 8 peak horsepower. Two twin-fan, 4.0 Peak horsepower motors that deliver up to 58,500 feet per minute of clean, filtered, warm airflow. Two switches allow users to set the airflow and temperature at 3 different levels. Use either motor (front or rear) independently or both simultaneously for maximum power. Five different nozzles enable users to position airflow where desired and eliminate water spots.

Features:

- 8 Peak Horsepower Dryer unit on wheels with 12 foot (3.65 meter) cord
- Rugged all Steel Construction
- 10-Foot Heavy Duty Hose
- Heavy Duty Neoprene Blower
- NozzleAir concentrator
- Air streamer tool
- Micro adapter
- Male/male adapter
- 5 Piece Attachment Kit

750669 1.5 HP Air Force Blaster SideKick
750670 4.0 HP Air Force Blaster
750671 8.0 HP Air Force Master Blaster
750672 Accessories kit for 4.0 HP Air Force Blaster including a wall/table bracket and 10 feet (3 meter) hose extension kit.

USA MADE ALLEN KEYS AND TORX HEAD DRIVERS

It is not without reason they say, "Good tools are half the job". We offer a complete line of USA made High Quality Allen head and Torx head keys, screw drivers and T-handle drivers made by Eklind, the world leader in manufacturing allen keys and similar. Each kit is manufactured of 8650 alloy steel for years of trouble free use. These professional quality tools are now available at very competitive prices. Since the introduction of the V-Rod, metric sizes have become a must in every Harley workshop too, that's why we now offer these kits in both metric and standard. The best for the custom builder and a must for the professional workshop. Ball end driver offers you an easy fastening in an up to 35 degree angle. Holder kits also available with extra short stubby end.

A) Folding kits

741269 Contains Inch sizes 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"

741266 Contains Metric sizes 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm

741265 Contains Metric sizes 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm

741268 Contains Torx sizes T6, T7, T8, T9, T10, T15, T20, T25

741267 Contains Torx sizes T8, T10, T15, T20, T25, T27, T30, T40

B) Folding Biker kit

741264 Contains Phillips head screw driver, Flat screw driver and Allen head 4 mm, 5 mm, 6 mm

C) Holder kits, one side with Ball end

741262 Contains black finished Inch sizes .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

742824 NEW Contains bright finished Inch sizes .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

742826 NEW Contains black finished Inch sizes with extra short stubby end;.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

741263 Contains black finished Metric sizes 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm,, 8 mm, 10 mm

742825 NEW Contains bright finished Metric sizes 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm

742827 NEW Contains black finished Metric sizes with extra short stubby end; 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm

741261 Straight both sides, black finished, contains T10, T15, T20, T25, T27, T30, T40

741260 Straight side and Ball end side, black finished, contains T10, T15, T20, T25, T27, T30, T40

D) Ball end Hex driver in Inch sizes in workshop quality plastic holder

741273 Contains Inch sizes .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

E) Power-T 6" (150 mm) long T Bar drivers in workshop quality plastic holder

741270 Contains Inch sizes 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

741271 Contains Metric sizes 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm

741272 Contains Torx sizes T8, T10, T15, T20, T25, T27, T30, T40

EKLIND PROFESSIONAL PRECISION SERIES

Eklind Professional Precision Series tools are manufactured with the same high quality standards that has made Eklind Tool Company the leading manufacturer of American made Hex key products. The ergonomic design handle has a big, tapered shape and a rotating end cap to maintain fingertip control. This offers professional comfort and control. End caps are permanently marked for quick and easy identification. Sold in sets.

742820 Set of 10 regular screwdrivers, sizes #000 thru 4.0

742821 Set of 10 Torx screwdrivers, sizes T3 thru T20

742822 Set of 10 hex screwdrivers, sizes .028" thru 5/32"

742823 Set of 8 ball style hex screwdrivers, sizes .050" thru 5/32"

INCH SIZES BOX WRENCH SET

This quality, 8 piece, chrome vanadium, box wrench set should be present in every Harley owner's toolbox. Sizes are cut very accurately to fit perfectly. Set contains spanners from 1/4" up to 7/8".

234691 Inch sizes box wrench set

INCH SIZE HEX KEY SETS

Good quality, reasonable priced, hex key sets in inches sizes. Made from heat-treated 8650 Alloy steel with black oxide finished.

234766 Hex key set short, 8 sizes (.050" to 5/32")

FOLD-UP TORX KEY SETS

Handy, compact fold-up torx key sets, a must to have in your tool roll. Harley uses this type bolt heads for example on the calipers and stators of all late models. Available in 8 key holder.

235598 Torx key set, 8 keys T6-T25

TORX ALLEN KEY FOR CALIPER BOLTS

This "hard to get" size 40 Torx key fits the caliper bolts on all late Harley models (needed when replacing brake pads).

234696 Torx allen key for caliper bolts

FOLDING HEX & TORX COMBINATION SETS BY CRUZ TOOLS

Cruz Tools are American made quality tools. This folding inch size hex and Torx combination set is designed for use on Harley's and is a real utility tool as it contains 5/21", 3/16", 1/4" and 5/16" hex keys as well as T25, T27 and T40 size Torx keys.

236257 Hex/Torx key set

INCH SIZES COMBINATION SPANNER SET (11 PCS)

Made of chrome vanadium steel to exact dimensions, this toolset will enable you to fasten or loosen almost every bolt and nut on your bike. Sizes are: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" and 7/8". Comes in a handy plastic tool roll with eyes, so it can be easily stashed in your red bag or hung up at the wall. A must for every Harley owner.

234690 11-Piece Spanner set

JIMS ADJUSTABLE TORQUE WRENCH ADAPTER

Torque any fastener with a combination wrench or Allen wrench. This tool fits 6 mm (1/4") thru 19 mm (3/4") combi-nation wrenches. Also suits 6 mm thru 8 mm Allen wrenches. Tool is heat-treated steel with black oxide finish. 3/8" square drive is rated for a maximum torque of 90 ft-lbs. (121.5 Nm). Instructions with a conversion table are included.

751081 Adjustable torque wrench adapter

CRUZ TOOLS OUTBACK'R H13 & M14 FOLDING TOOL SET

Inspired by outdoorsman-style multi-tools, Cruz Tools designed this tool specifically for motorcyclists. The Outback'r H13 is a powerhouse of functionality for use on Harley-Davidson motorcycles. Included are three hex keys (5/32", 3/16", and 1/4"), two Torx keys (T25, T27), slotted and Phillips screwdrivers, a socket driver with 3/8", 7/16", and 1/2" sockets, 10mm box and 9/16" open-end wrenches, plus a spoke wrench. The Outback'r for metric bikes features four hex keys, two screwdrivers, a socket driver with 8, 10, and 12 mm sockets, 13 and 14mm open-end wrenches, and three spoke wrenches. At only 9 ounces and 3.5 inches, you won't have any trouble finding a spot to carry it. Built to last using heat-treated chrome vanadium and carbon steel.

740301 Outback'r H13 for Harley-Davidson

740303 Outback'r M14 for metric bikes

CRUZ TOOLS ROADSIDE TOOL KITS FOR HARLEY'S

Cruz Tools starts with "American Made Quality Tools" and adds essential emergency items for a complete "Roadside Solution". They put their top quality tools in a top quality durable 600 denier coated polyester pouch that is built to last too. As Cruz Tools says: "Our kits are designed for the roadside, you will probably end up using them in the garage, too".

CRUZ TOOLS LARGE ROADSIDE TOOL KIT

A roll-up style pouch with comprehensive content, including 5 diff-erent inch size combination wrenches, an adjustable wrench, locking pliers, hex and Torx keys, 6-in-1 screwdriver, two spark plug sockets to handle stock spark plugs on any model, spark plug gap gauge, insulation tape, cable ties, mechanics wire, WD-40, tire pressure gauge and a shop towel. Pouch is about 9.5" long and 3" in diameter when rolled up.

236255 Roadside Tool Kit

CRUZ TOOLS BASIC ROADSIDE TOOL KIT

A zip-up style pouch with essential tools. Contains 5 different inch-size combination wrenches, hex and Torx keys, 6-in-1 screwdriver, spark plug multi tool, tire pressure gauge, mechanics wire, cable ties and a shop towel. Pouch measures 9" x 4" x 1 1/2" thick and weighs in at under 2 pounds.

236256 Cruz tools basic roadside tool kit

CRUZ TOOLS TEARDROP TOOL KIT

Almost the same contents as the Great American Tool Kit, but in a pouch that's designed to fit into a Softail "teardrop" style toolbox. A generous supply of tools and roadside items are provided, yet it remains amazingly uncluttered. There's no need to disrupt the clean lines of your Softail with saddlebags just to carry tools.

700480 Teardrop Tool Kit

"ON THE ROAD" TOOL KIT

This kit was designed as an "on-board" tool kit for all Harley owners. It contains all tools needed for an on the road repair after a break-down. You should not leave home without this kit. The kit contains a 11 piece inch size combi-nation spanner set, 9 piece fold-up hex key set, screwdriver with 5 different slotted and Phillips bits, combi-nation pliers, adjustable wrench and a voltage indicator lamp (6 to 24 volt) all wrapped in a tough easy to take pvc tool roll.

234698 "On-the-road" tool kit

CRUZTOOLS ROADTECH TEARDROP TOOL KIT

Almost the same contents as the Great America Tool Kid, but in a pouch that is designed to fit into a "teardrop" style toolbox. A generous supply of tools and roadside items amazingly uncluttered. There is no need to disrupt the clean lines of your Softail with saddlebags just to carry tools. Kit includes a mini ratchet and sockets, combination wrenches, locking pliers, adjustable wrench, 6 in 1 screwdriver, LED flashlight, tire gauge, hex and torx keys, and much more. All tools are mechanic grade and like all other tools from CruzTools it comes with a lifetime warranty.

740296 CruzTools RoadTech Teardrop tool kit

CRUZ TOOLS V-ROD TOOL KIT

The exciting new V-Rod is touted as a metric bike, which is not entirely correct. There are still some legacy fractional items, and the Motor Company's beloved torx fasteners are fully evident. Cruz Tools designed a kit specifically for your V-Rod that is highly capable using their exclusive PowerDrive (tm) wrenches, plus loads of other tools and roadside items - all packaged in a double-panel 600 denier polyester pouch. Contains: 3 combination wrenches, 8" adjustable wrench, locking pliers, 6 hex and 3 torx keys, 2AA flashlight, tire gauge, thread locker, and more.

740305 V-Rod Tool Kit

CRUZ TOOLS MINISET COMPACT TOOLKIT

A very complete set built around a 1/4" drive ratchet with precise 48 tooth gearing. Cruz Tools added a 2" extension and eight sockets, including hex and Torx bits, most commonly used on Harley-Davidsons. Stored in a tough molded box this kit will be your companion on many road trips, as well in the workshop.

740298 Mini Set Compact Toolkit H-D

CRUZ TOOLS ROADTECH TOOL KIT FOR H-D

We all have been there, caught in the middle of nowhere looking for that one missing tool to get on the road again. Cruz Tools claims to have kicked this problem into the past. This very complete kit includes combination wrenches, an adjustable wrench, locking pliers, LED flashlight, tire gauge, hex and Torx keys, and a screwdriver. You will also find a mini ratchet and socket set, making this the last tool kit you'll ever need to buy.

740297 Cruz Tools RoadTech tool kit

CRUZ TOOLS AMSPORT BUELL TOOLKIT

This toolkit is specially put together for Buell's. Inside the zip-up pouch there is a large supply of inch-size and metric wrenches, twelve hex keys, a set of pliers and much more to give you confidence on those long rides.

740307 Cruz Tools Buell toolkit

CRUZ TOOLS METRIC ECONOKIT M1

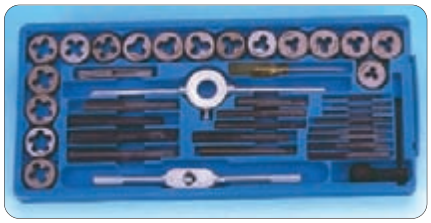
Your vehicle may have come with a tool kit, but with the only virtue that it was free. The Econokit M1 allows a major upgrade in both quality and content over OEM kits, yet at a very reasonable price. Four combination wrenches, an eight-inch adjustable wrench, locking pliers, and much more permit a wide range of operations. The pouch shares many of the same design principles as from the Cruz Tools premium kits.

740302 Metric Econokit M1

JIM'S SPARK PLUG HOLE THREAD CHASER

Whenever you are in doubt about your spark plug hole thread use this tool to clean up the thread. This double ended, 14 mm and 18 mm thread chaser easily cleans up spark plug holes and so reduces the chance of cross threading. It is to be used with 13/16" socket.

750315 Thread chaser



40 PIECES TAP AND DIE SET

A handy tool set for cleaning damaged threads. **Not intend for cutting/ tapping new threads.** Contains one tap and die in each of the following sizes: 4-40, 6-32, 8-32, 10-32, 10-24, 12-24, 1/4"-20, 1/4"-28, 5/16"-18, 5/16"-24, 3/8"-16, 3/8"-24, 7/16"-20, 7/16"-14, 1-1/2"-20, 1/2"-13 and 1/8"-27 NPT, as well as a T-handle, die handle, screw driver and screw pitch gauge. This all supplied in a handy plastic box.

234755 Tap and Die set

EMERGENCY TIRE REPAIR KITS

These small pouches contain patches, plugs, plug tool, vulcanizing glue, three high pressure CO2 cartridges as well as the handy Moto Pump to make emergency tire repairs. When you have repaired the puncture you load the Moto Pump with a cartridge, connect the hose with the tire valve, and just pull the Moto Pump trigger cartridge holder to inflate the tire. The patches, glue and cartridges can also be used to repair inner tubes in tube-type tires. Available in a 1 1/2" X 3" X 5" dark green fabric pouch. Comprehensive instructions enclosed.

235348 With green fabric pouch

WARNING: PATCHES AND/OR PLUGS SHOULD BE USED FOR EMERGENCIES ONLY AND SHOULD NOT CONSTITUTE A PERMANENT REPAIR. DO NOT EXCEED 45 MPH (70 KMH) UNTIL A PERMANENT REPAIR CAN BE MADE.

STOP & GO TIRE PLUGGER TUBELESS TIRE REPAIR

Stop & Go's Tire Plugger is a premium tubeless tire repair suitable for motorcycles as well as for cars and other rolling equipment with tubeless tires. The Tire Plugger is a revolutionary device that easily installs mushroom shaped rubber plugs into all tubeless tires while staying on the wheel. The plugging device "drives" the plug into the hole with a turning of the hex wrench. The plug expands under pressure to fill the punctured area. A firm pull on the stem with your pliers seats the mushroom head on the inner wall allowing no air to escape. This technology insures maximum reliability while reducing your downtime in any situation. No rubber cement required. There are three different Stop & Go Tire Plugger kits available.

745100 Pocket Tire Plugger I, comes with hand plug tool, hex wrench, probe tool, reamer tool, retractable razor knife and 15 mushroom plugs in a 7.5" x 3.5" x 1" (19 x 9 x 2.5 cm) vinyl zippered pouch.

745101 Pocket Tire Plugger II. As the Tire Plugger I but also with 4 pcs. High-Pressure CO^2 inflation cartridges, Zippered pouch is 5" x 8" x 1" (13 x 20 x 2.5 cm).

745104 Professional Tire Plugger with spring loaded plug gun, nozzle, probe tool, reamer tool, retractable razor knife and 25 mushroom plugs in a 9" x 6" x 1" (23 x 15 x 2.5 cm) vinyl zippered pouch

745108 Bag with 25 mushroom plugs

TIRE REPAIR KITS WITH ENGINE AIR PUMP

These roadside tire repair kits include the engine air pump ZPN 745107 that uses the vacuum and compression of your engine to forces clean, outside air into your tire. Apart from the complete Engine Air Pump these kits also include what you need for a roadside tire repair. The Fix-N-Flate kit is great for riders that already carry tire levers, the Deluxe Kit comes with more different tire repair necessities, as well as a pair of strong tire levers.

745103 Fix-N-Flate kit with complete Engine Air Pump, patches and rubber cement for tube type tires, and tubeless tire string plugs. Complete kit comes in a heavy-duty canvas bag, weighs 13. Oz (38 gram), is 7" (18 cm) in diameter and is only 1" (2.5 cm) thick

745102 Deluxe kit with complete Engine Air Pump, tire levers, punch tools, scrubs, patches, string plugs, patch plugs and rubber cement. Comes in a vinyl zippered pouch. Weighs 2 lbs. (900 gram), measures 9.5" x 4" x 1.5" (24 x 10 x 4 cm)

AUTOMATIC TIRE INFLATION KIT

These high-pressure CO2 canisters are great to reinflate your tire after a puncture repair. Comes in a 3.5" x 5" (9 x 13 cm) vinyl pouch with a handy 4" (10 cm) long discharge adapter. Usually it will take all four to get one motorcycle tire up to normal operating pressure. Also available as a refill bag containing 3 pieces. CO2 canisters.

745105 Automatic inflation kit with 4 pieces CO2 canisters and discharge adapter

745106 3 pieces CO2 canisters

HIGH-PRESSURE HAND PUMPS

These only 9" (23 cm) long hand operated pumps can, despite their small size, pump shocks, forks and tires up to an impressive 300 PSI (20.7 bar). They feature a swivel mount 6" (15 cm) long and flexible line that is screwed on to your valve, so you have both your hands free to operate the pump. Available with a fixed silver gauge or a quick-release detachable black gauge.

420025 With permanently mount gauge

420024 With detachable gauge

ENGINE AIR PUMP

A heavy-duty canvas bag that contains everything you need for a lifetime of tire re-inflation. Using the vacuum and compression of your engine it forces clean, outside air into your tire. Comes with a 60" (1.5 meter) nylon braided hose with quick release lever, long enough to reach both front and back tire valves. Besides the 18mm fresh air fitting there is also a 14 mm and a 12 mm adapter to accommodate the spark plug hole in almost every Harley-Davidson, as well as a 10 mm adapter for use with other makes. Comes with detailed instructions to minimize your downtime in any situation and works with tube type and tubeless type tires alike. Complete kit weighs 11.5 oz (330 gram), is 7" (18 cm) in diameter and only 1" (2.5 cm) thick.

745107 Engine air pump

STANDARD POCKET PUMP BY PROGRESSIVE SUSPENSION

Progressive Suspension's standard pocket pump is the ideal tool for low pressure, high volume applications and is capable of pressures up to 50 psi (3.45 bar). Comes with a flex connector and has a check valve in both the pump body and in the flex connector, which allows you to attach or disconnect from an air valve without loss of air. Pump body is only 7 1/2" (19 cm) long which makes it small enough to take it with you.

234828 Pocket pump without gauge

STOP & GO

GAUGE-MOUNTED AIR PUMPS

Simple to operate and extremely accurate. These air pumps produce pressure of up to 200 PSI. Ideal for setting the pressure on air forks and air shocks. Pumps have a swivel mounted flexible hose equipped with a no-loss connector that attaches to any standard Schrader valve. The integrated pressure release button allows you to regulate the pressure. Available with a gauge up to 30 psi (2 bar) or 100 psi (6.9 bar).

235438 With 0-30 psi (2 bar) gauge
235459 With 0-100 psi (6.9 bar) gauge

EMERGENCY FIRST AID KITS

Mandatory to have "on board" in many European countries, so why don't you take a first aid kit on your bike ride. These kits contain the most needed things for almost any emergency situation. Small enough to store in saddle or sissy bar bags. Available as a red-bagged large kit, or black-bagged small kit, they come including a first-aid instruction booklet.

500016 Big Red Kit
500018 Small Black Kit

Big Red Kit	Small Black Kit	Contains
1	-	Red nylon suitcase 15cm x 25cm x 6cm
-	1	Black nylon suitcase 13cm x 13cm x 5.5cm
1	1	First aid instruction booklet
2	-	Non-adherent pad 10cm x 10cm (2 pcs)
2	1	Non-adherent pad 8cm x 10cm
-	1	Non-adherent pad 6cm x 4cm
16	8	Non-adherent band aid 72cm x 19cm
-	2	Non-adherent pad for eye 6cm x 5cm
2	1	Gauze sponge 7.5cm x 7.5cm
1	-	Net bandage for head, hands, or fingers
1	-	Adhesive tape 1.25cm x 910cm
-	1	Adhesive tape 1.25cm x 455cm
2	2	Safety pin 5cm (2 pcs)
2	1	Gauze bandage 5cm x 400cm
2	1	Elastic bandage 7.5cm x 400cm
1	1	Emergency thermal blanket 130cm x 210cm
2	1	Triangular bandage
1	1	Latex gloves, pair
6	2	PDI Alcohol prep pad
3	2	PDI Povidone-Iodine prep pad
-	2	PDI Cleaning towelette
1	-	Large scissors
-	1	Small scissors
1	1	Plastic tweezers Large (1 pcs)
6	-	Cotton swab 7.5cm
1	1	CPR Face shield

CRUZ TOOLS TIRE PRO TIRE GAUGE

If you ever looked inside the toolbox of a mechanic, you would most likely find a tool like this precision tire pressure gauge. Not only does it provide quick and accurate readings, but also a valve holds the reading and allows bleeding of air until the desired pressure is reached. A 12" long flexible hose with a 40-degree brass chuck permits access to difficult places and every valve stem. The large 2" dial is very easy to read and is accurate over a 0 - 60 psi range.

740306 Cruz tools tire pro tire gauge.

TIREPRO DIGITAL TIRE GAUGE

TheTirePro Digital Tire Gauge is ideal for motorcycle and ATV use, with alarge display and accuracy over a wide range of pressure levels. Readings are shown to 0.1 psi levels, with bar, Kpa, and Kg-cm2 scales also provided. Reads up to 99 psi. An ergonomic shape fits nicely in your hand.

740308 Digital tire gauge

CRUZ TOOLS TIREPRO UNIVERSAL TIRE REPAIR KIT

Unless you're carrying the TirePro, road and trailside flats can mean a call to the tow truck. The TirePro repair kit is equipped for both tube and tubeless tires. Patches are provided for tube repair, plus easy and reliable plugs for tubeless tires. A unique valve complete with hardware lets you use your engine as an unlimited supply of fresh air. The valve is adaptable to any combination of cylinders and most spark plug sizes. No wheel and tire removal tools are included in this kit, but do come with most Cruz Tools tool kits.

740300 Universal Tire Repair Kit

CRUZ TOOLS TIREPRO LEVER SET

Tire levers are forged and heat treated, using carbon steel alloy. Very strong, yet flexible for complete control. Total length measures 240 mm (9 1/2"). Sold in sets of 2.

740309 Cruz Tools TirePro tire lever set

STARTER CABLES

Sick and tired of cheap and poor quality starter cables that don't work because of bad cable to clamp connection or burn out because they are to thin. This is the solution, these cable have a flexible pure copper core, are well connected to the full insulated clamps and what is most important THEY WORK. Manufactured according to DIN 72553 standards. Available in an extra Heavy Duty 25 mm^2 x 3.5 m long.

239270 Starter cables 25 mm^2 x 3.50 m with separators

CRUZ TOOLS SUPERBRIGHT FLASHLIGHT

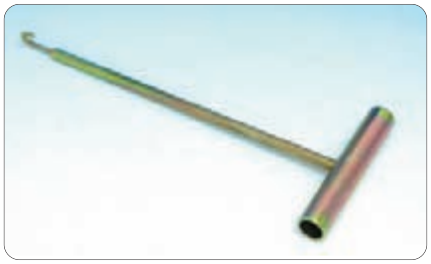
Nine LED's provide extremely bright illumination. Power is supplied by three AAA batteries. LED's are very miserly on power, one set of batteries can last for days. Total length measures only 93 mm (3 5/8").

740299 Super bright 9 LED Flashlight

JIMS DENTAL PICK

Everybody knows the problem. Trying to remove an o-ring by using your fingernails and getting no grip on it. This tool makes life easy, the fine tip end is hooked for easy usage, and proves to be useful in many aspects of motorcycle repair work. This precision tool comes with a contoured grip for comfort and is made from 24 series Stainless Steel and hardened to 30-34 Rockwell for durability.

750325 Jims dental pick



CRUZ TOOLS MAX HOOK SPRING PULLER

We've tried other spring hooks, and they just didn't cut it - either the hook was too flimsy or we couldn't get enough leverage. The MaxHook's T-handle provides plenty of leverage. And instead of welding the hook onto the rod, which can become brittle and break, Cruz CNC machined it right out of the rod stock, then bent it.

740304 MaxHook Spring Puller

VISE SOFT JAWS

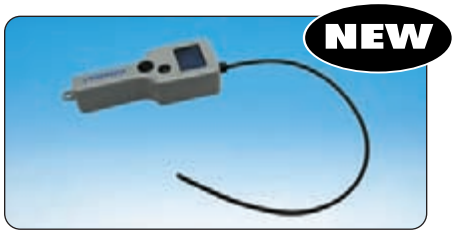
These soft aluminum jaws will prevent parts from being marked and damaged by regular vise jaws. Sold in pairs.

721127 Rowe Vise Soft Jaws pair

BURET
For those engine builders that don't like guess work when it comes to compression ratio, we have a 100 ml glass made Buret that is helpful when checking head cc's for calculating compression ratios.
750356 Glass 100 ml buret

TIMING VIEW PLUG
Timing tool for use on all Harley's. Insert into the timing hole when stock plug is removed. Makes adjusting the timing an easy job. When the timing is done, replace the stock plug (OEM 96295-65T).
133017 Timing view plug

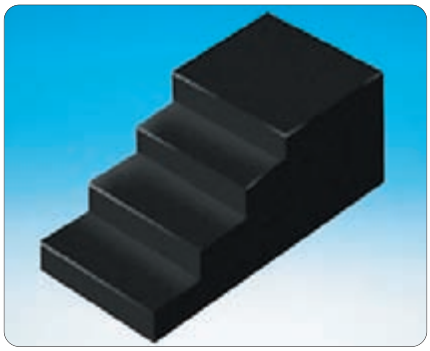
JIMS MECHANIC'S STETHOSCOPE
This tool allows you to pinpoint internal engine noise by amplifying vibrations resonating through the metal probe. Simply touch the probe to the engine, and follow the noise to its loudest point.
750337 Mechanic's stethoscope



JIMS VO SCOPE
Through modern technology you now have the ability to look inside most any hole that is just over 6 mm (i.e. .245", 6.22 mm) Check the cylinder through the spark plug hole, valves and valve seats, see if oil is running down the valve stem, etc… This is a live remote video with the following features: High resolution auto focus, color camera, 2 1/2" (6.4 cm) full color viewing monitor. Equipped with a sealed, fluid proof, flexible, 24" (61 cm) long 6 mm diameter shaft, high output LED illumination with dimming control, a mirror used to see 90 degrees and a magnet for picking up steel parts weighing less then 1/4 lb. (113 grams).
751095 Jims' VO Scope

JIMS CLUTCH HUB PULLER
This American made Clutch hub puller is used to remove wet and dry clutch hub without removing clutch release rod. A must for Big Twin owners from 1936 thru 1990. This puller comes with 4 bolts (OEM 95960-52C).
235857 Jims clutch hub puller

CLUTCH HOLDING TOOL FOR HARLEY BIG TWIN
A must for all clutch repairs, keeps the clutch from turning on all Big Twins 1936 and later (except diaphragm clutch) when removing or installing the clutch hub nut. Constructed for years of dependable service.
132113 Clutch holding tool for Harley Big Twin



JIMS PRIMARY DRIVE LOCKING TOOL
Tool made by Jims from non-marring Delrin to lock front primary chain and motor sprocket. Can be used on all primaries, except 2006 and later Dyna models, 2007 and later FLH/FLT series models and 2007 and later Softail models.
750331 Primary Drive Locking Tool

JIMS PRIMARY CHAIN LOCKING TOOL
Use to lock the clutch hub sprocket to the front engine sprocket to make it easier to remove, install or re-torque engine and clutch nuts on 2006 to present Dyna models and all 2007 to present Twin Cam 96 models.
750700 Primary chain locking tool

INNER PRIMARY COVER BEARING AND SEAL INSTALLER/REMOVER TOOL
Designed to safely remove and install the inner primary bearing, ZPN 233823 without any damage to the new bearing. This is done by pushing on the outer perimeter of the bearing. Also removes and installs inner primary seal, ZPN 231172. Use on all Softails late 1984 thru 2006, FXR 1985 thru 1994, FLT, FLH and Dyna models1985 thru 2006.
751061 Inner primary cover bearing and seal installer & remover tool

STARTER JACKSHAFT SEAL INSTALLER TOOL

This tool is designed to easily align and install the starter jackshaft seal ZPN 231239 without distorting or damaging the seal. Use on all Evolution Big Twins 1994 thru 1999, Touring models 1999 thru 2006, Softail 2000 thru 2006 and Dyna models 1999 thru 2005.

751062 Starter jackshaft seal installer tool

CLUTCH HUB & SPROCKET PULLER

For pulling clutches on all Big Twins, including hubs with 10 studs. Eliminates the need to remove kickstart cover when removing clutch hub. Can also be used to pull motor sprocket on Big Twin and Sportster, Sportster transmission sprocket and the rotor assemblies on 1970 to present Big Twins (OEM 95960-41A).

132107 Clutch hub & sprocket puller

JIMS CABLE LUBER

This tool is used to inject lubricant into any mechanical cable housing, such as used for throttle, idle, clutch or brake. The tool clamps over your cable housing and inner cable allowing you to connect an aerosol lube can of cable lube to the small opening of this tool. Spray until the lube runs out of the other end of the cable.

751082 Cable luber

PRIMO CLUTCH HUB PULLER & TOOL FOR PRO-CLUTCH & PRIMO BELT DRIVES

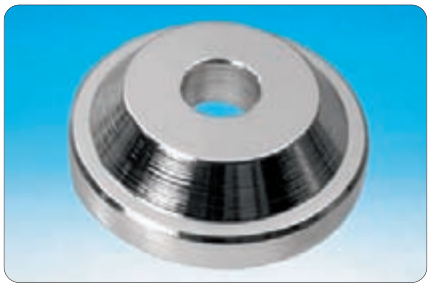
The clutch hub puller is manufactured from billet aluminum for durability. This unique puller attaches directly to the clutch hub studs. Turning the threaded center bolt puts pressure on the transmission main shaft and pulls the clutch hub off. This puller makes Pro-Clutch maintenance easy. The clutch hub tool engages and holds clutch hub splines to allow correct torque specifications to be applied to the clutch hub nut (left-hand thread) when installing a Pro-Clutch or Primo belt drive. Also holds clutch hub for dis-assembling. For use on all Big Twins with Pro Clutch or any Primo diaphragm spring operated primary belt drive system.

700528 Primo clutch hub puller (shown)
700523 Clutch hub tool

CLUTCH HUB PULLER FOR "SCORPION" CLUTCH

Barnett Tool & Engineering developed this clutch hub puller to ease removal of their Scorpion clutches on all Harley and Buell models, except on 1971-1983 Ironhead Sportsters. Made from Billet Aluminum. Comes complete with a 7/16" hex bolt, protection cap and six socket head screws. Easy to use and won't damage your main shaft.

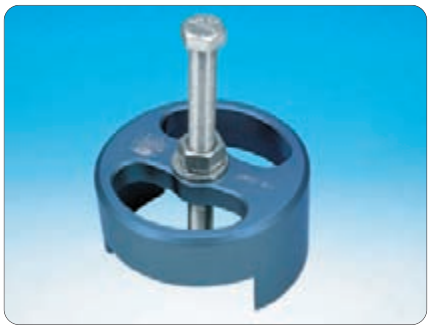
722099 Scorpion clutch hub puller



BARNETT CLUTCH TOOL

The clutch removal tool for Big Twin allows removal of clutch pressure plate, springs and spring retainer as one unit. Unique self-centering design, polished and chrome plated.

236473 Clutch removal tool for Big Twin 1941 thru 1984



JIMS NEW DESIGN CLUTCH SPRING COMPRESSOR TOOL

A late model clutch spring tool that is designed around the human hand. It features additional access windows to ease removal and installation of the snap ring on 1990 to present Big Twins. Can also be used on 1991 to present Sportster and Buell models when used in combination with Sportster clutch spring compressor nut (ZPN 233155).

235788 Clutch spring compressor tool for Big Twin
233155 Sportster clutch spring compressor nut for use with ZPN 235788

JIMS CLUTCH SPRING COMPRESSOR FOR SPORTSTER

American made compressor, to be used for removal and installation of 1971 thru 1984 Sportster clutch parts.

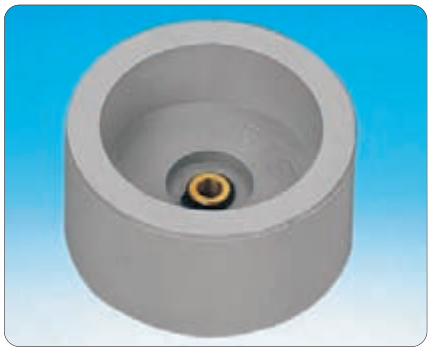
237350 Clutch spring compressor (OEM 97178-71)

JIMS V-ROD CLUTCH HUB LOCKING TOOL

This tool is made to lock the hub assembly. When removing and installing the clutch hub nut this is the proper way. Available for 2002 to present V-Rods

750332 Clutch hub locking tool 2002 thru 2007

751063 Clutch hub locking tool 2008 to present



CLUTCH TOOLS FOR DIAPHRAGM CLUTCH

USA made diaphragm clutch spring tools. Makes it easy to remove and re-install clutch retainer ring on Sportster models from 1984 to present and Big Twins 1990 to present.

232570 Fits 1990 to present Big Twins and 1991 to present Sportsters

232571 Fits 1984 thru 1990 Sportsters

DELKRON SPACE-N-TIME TOOL

An easy to use tool that eliminates guess-work and let you spot problems before they happen.

Features:

- Degree wheel
- Cast aluminum cutaway timing cover

Checks:

- Camshaft end play and timing
- Crankshaft end play
- Breather valve end play and timing
- Timing gear lash
- Tappet roller to cam lobe contact
- Lifter blocks to cam alignment
- Pinion shaft run out
- Flywheel timing marks
- Tappet roller travel in guide slots
- Complete instructions included

133024 Space-N-Time tool

JIMS V-ROD CLUTCH HUB ALIGNMENT TOOL

This handy tool is useful when working on the clutch basket of the V-Rod. It is designed for alignment of the clutch plates during assembly.

750334 Jims V-Rod clutch hub alignment tool

JIMS 4 SPEED MAINSHAFT CLUTCH GEAR PULLER

This tool was designed specifically to remove the starter clutch ratchet gear without damage to the gear or shaft. Used on all kick starter equipped 4 Speed Big Twin models from 1936 thru 1986. Easy to use and will not slip of the gear.

233176 Clutch gear pulley

TOP DEAD CENTER INDICATOR

Top dead center indicators are fitted in the spark plug hole and to be used in conjunction with a degree wheel to accurately locate absolute top dead center. Available to work with either 12 mm or 14 mm spark plug, degree wheel not included.

721860 Top dead center indicator, 12 mm

721861 Top dead center indicator, 14 mm

JIMS CLUTCH LOCK PLATE

Locks the clutch shell to the clutch hub on 4 Speed Big Twin models from 1941 thru 1984 when removing or installing the clutch hub nut.

239478 Jims clutch lock plate

SEAL AND BEARING MAINTENANCE TOOL

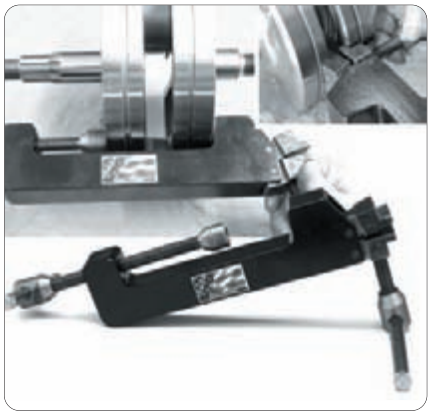
This unique and complete tool kit is a must for all engine and transmission rebuild shops. Now you can easily remove and replace all engine and transmission bearings and seals. Each kit is complete with carrying case and contains 14 pieces of tools and 12 pieces of assorted hardware. Each tool is marked with an identification number that follows the information included in the instruction book.

131170 Seal & Bearing maintenance tool

"TAPER SHAFT" CLUTCH HUB REMOVAL TOOL

Simply mount the tool on the left hand threads of the transmission main shaft, and give the end of the tool a sharp tap with a medium weight hammer and the clutch hub simply "pops" off. Works with all taper shaft clutch hubs.

700542 Clutch hub remover tool



JIMS FLYWHEEL TRUING TOOL

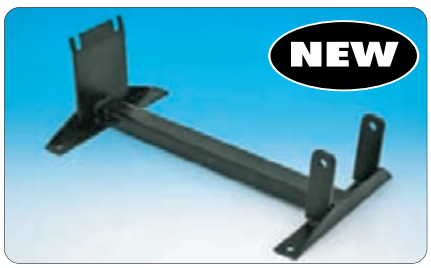
With this tool JIMS makes it possible to fine tune the flywheel assemblies. It is easy to use and features both flywheel expander and contractor in one tool. Can be used on all tapered shaft flywheel assemblies.

750330 Flywheel truing tool

CRANKSHAFT TRUING STAND

Renewed design truing stand for all Harley-Davidson motors. The best value for money. This LOW PRICED truing stand features: 10" right hand swing, 6" left hand swing and a full 18" center to center capacity. Full 49 kg weight. Unit is complete with Harley-Davidson type beam indicators, accurate to .002 inches. Usable for all Big Twin and Sportster cranks (OEM 96650-30).

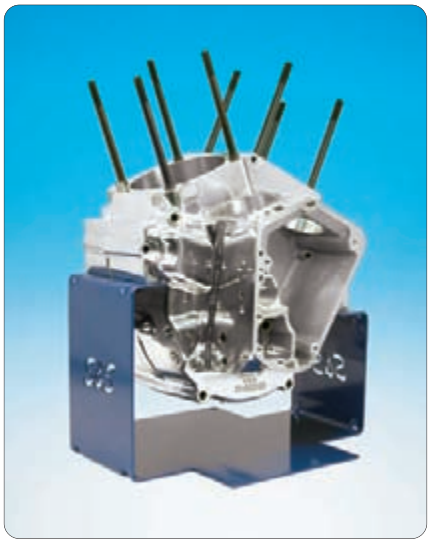
131100 Crnakshaft Truing Stand



SPORTSTER ENGINE STAND

Can be used for engine repair but also as a show stand for all Sportsters 1957 to present. Rugged steel construction with a strong painted finish.

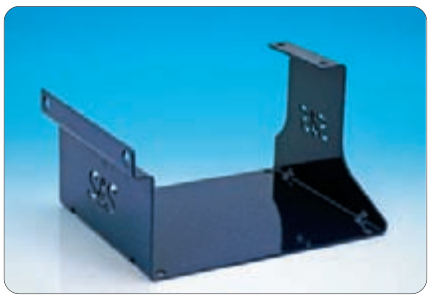
723120 Sportster engine stand



S&S ENGINE STANDS

Perfect for engine repair or as a show stand. These powder coated steel stands feature laser-cut S&S logos. Available for use with both OEM and aftermarket engines and engine cases from 1936 to present.

750876 For use with single cam Big Twin 1936 thru 1999, S&S P-series, S&S SH series and S&S V-series



750877 For use with Twin-Cam "A" 1999 thru 2006 (except 2006 Dyna) and S&S T-series

750878 For use with Twin Cam "B" (Balanced) 2000 thru 2006

750875 For use with S&S X-Wedge

JIMS COMPLETE MODULAR ENGINE & TRANSMISSION STAND KIT

This kit provides a solid and versatile work center for a variety of engine types. With this kit an engine builder can freely position complete engines and transmissions into the most optimum working position. The base stand allows 360 degrees of rotation while the modular cradles swivel and lock in 180, 90, and 45 degree angles. The base easily bolts to a workbench, and comes ready to use with all hardware included. Each piece is constructed from high quality steel. Available as a complete kit that works with all Big Twin, Twin Cam 88 and Sportster engine cases ass well as all 5 Speed transmissions. All parts are also sold individually. A transmission stand for 2006 to present Dyna 6 speed tranmissions is not included in the kit but must be ordered separately.

741919 Complete Engine & Transmission Stand kit

Kit includes:

741913 Base stand
741916 "Taller" Single Cam Big Twin Cradle
741915 Twin Cam 88 "A" Cradle
741917 Sportster and Buell Cradle
741914 Twin Cam 88 "B" Cradle
741918 Cradle for OEM style 5 speed Big Twin and aftermarket 6 Speed transmission housings

Optional:

750704 Transmission stand for 2006 to present Dyna and 2007 to present FLH/FLT series models

RITE-ON-TIME V-TWIN TIMING TOOL

The conventional, time consuming manner of going back and forth to either side of the motorcycleto time ignition or camshaft is history with this new tool. The Rite On Time Tool is developed and made in Canada. The tool allows the professional V-Twin shop mechanic, and do-it yourself mechanic alike, the opportunity to make the task of timing American Built V-twins much more accurate, simple, cleaner and less time consuming than conventional methods. The patented Rite On Time timing tool allows you to perform all of your engine timing procedures from the right hand side after determining TDC (top dead center) as opposed to timing off of the flywheel. It allows you to time off the camshaft, providing you very accurate timing for your Harley Davidson Big Twin or aftermarket performance engine. All this is performed in 1/3 of the time usually required. Just bring the engine is to TDC and the Rite-On-Time tool allows you to time off the cam through the use of a timing light and degree plate. Once the easy to understand installation instructions have been followed, and the degree plate is installed, the engine can be timed to your desired timing specifications, from the right hand side of the bike. Its accuracy is unprecedented. The Rite On Time timing tool can be used to effectively time engines for all applications… Street to Strip! Made of precision machined Stainless Steel, and costing significantly less than most electronic devices, the Rite On Time tool, will still be in your tool box long after your electronic timing device has spent its life. In fact, it may be the last timing device you will ever need.

736080 Rite-On-Time V-Twin timing tool

SPARK PLUG INDEX TOOL

Designed for 12 mm spark plugs, this index tool allows the serious performance engine builder to specify the location of the ground electrode in order to generate the maximum flame front. This is achieved by using different thickness spark plug washers. The tool is knurled for hand held uses or can be mounted in a vise on the machined flats. Has labeled increments for aligning ground electrode.

151068 Spark Plug Indexer

CRANK ASSEMBLY REMOVING TOOL

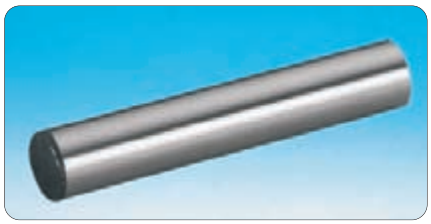
This tool is a must for any workshop, it presses flywheels from the cases without using a hammer or the need for a big hydraulic press. Just bolt it to your case and use a wrench. Will also press cases apart and break sealant bond. Works on all Panhead, Shovelhead and Evolution Big Twins 1955 thru 1999, 1999 thru 2005 Twin Cam Dyna, 1999 thru 2006 Twin Cam Touring and 2000 thru 2006 Twin Cam Softail. On Twin Cam Softail this tool can only be used for removing the flywheel from the left case.

237337 Crank assembly removing tool

JIMS SPROCKET SHAFT HARD CAP

This hard cap protects the sprocket shaft when working on the engine, must be used when working with our crank assembly removing tool (ZPN 237337). Works with all 1955 to present Big Twin models.

233200 Hard end cap



JIMS ROD ALIGNMENT TOOL

A handy tool for easy checking of rod straightness without removing rods from the case. Available for use on Big Twin and Sportster motors to present or Twin Cam 88 models 1999 to present.

235799 Fits Big Twin & Sportster models
741910 Fits Twin Cam models

S&S CONNECTING ROD ALIGNMENT TOOL

This pin is used to check connecting rod alignment after rods have been installed in flywheels and lower end is assembled. Pin is 4 1/2" long and .7920" to .7923" in diameter and hardened to R.C. 45 to 50. Can be used on all Sportster and Big Twin models to present.

750031 Connecting rod Alignment Tool

PUSH ROD LENGTH MEASUREMENT TOOL

This tool will help you to determine the correct length of each push rod, thus help you to achieve the correct valve train geometry. The valve train geometry must be checked whenever you have built a High Performance engine and new push-rods, cams or valves are used.

238957 Push rod length measurement tool

JIMS DRILL TOOL FOR CAMBUSHINGS

Special tool for installing and drilling dowel pin hole in cam bushing to the factory location. Tool is supplied with drill number 31.

235796 Sportster 1957 thru 1990
235798 Big Twin 1970 thru 1999, except Twin Cam

JIMS PINION BUSHING DRILL TOOL FOR BIG TWIN

Special tool for installing and drilling dowel pin hole in the pinion bushing to factory location on Big Twin motors from 1954 thru 1992. Tool is supplied with drill number #31.

235797 For use on 1954 thru 1992 Big Twins

ROCKER ARM BUSHING & ROLLER BEARING PULLER

Use to pull out the rocker arm bushing or roller bearing on 1957 to present Sportsters and 1966 to present Big Twins (OEM 95760-57).

237339 Rocker arm bushing & roller bearing puller

JIMS PINION BUSHING PULLER
Use to remove pinion bushing from cam cover in one easy operation on all Big Twin models from 1954 thru 1999, except Twin Cam.
237346 Jims pinion bushing puller

JIMS CAM BEARING PULLER FOR BIG TWIN
For removing the inner cam bearing from a 1958 thru 1999 Big Twin case set without splitting the cases, it also prevents the rollers from falling out while removing.
235787 Jims cam bearing puller for Big Twin

JIMS INNER CAM BEARING REMOVER TOOL
This tool allows you to easily remove the inner cam bearing on Twin Cam models with roller chain driven cams, such as 2006 to present Dyna's and all 2007 to present models.
750696 Inner cam bearing tool

SPORTSTER CAM BEARING PULLER
Remove the inner cam bearing on your 1957 thru 1990 Sportster without splitting the cases. This tool easily pulls the bearing from the case, and it also keeps the rollers from coming out during removal. Works on all 4 Speed Sportster models 1957 thru 1990.
237338 Sportster cam bearing puller

SPROCKET SHAFT BEARING INSTALLING TOOL
For use on Big Twin engines from 1955 to present to install crank shaft assembly into crank case Timken bearing (OEM 97225-55) (use with OEM 39361-69 to install oil seal on 1969 to present Big Twins).
235810 Sprocket shaft bearing installing tool

CAM BEARING INSTALL TOOL
This tool makes it possible to install the cam needle bearing without damaging the bearing on all Big Twin models 1958 to present.
237351 Bearing install tool

JIMS ALTERNATOR ROTOR REMOVAL AND INSTALLATION TOOL
This tool is a must when you have to remove or install the alternator rotor of a 45 Amp. charging system as used on all FLH and FLT models 1997 to present. This tool will protect the threads on the sprocket shaft from damage while pulling the rotor free from its magnetic hold.
741911 Removal & Installation tool

JIMS SPROCKET SHAFT SEAL INSTALL TOOL
Made to press the oil seal over the sprocket shaft into Big Twin crankcases from 1969 to present. Must be used in combination with sprocket shaft bearing installation tool (ZPN 235810).
233199 Sprocket shaft seal install tool

TAPPET BLOCK CLEARANCING CUTTER

Made by Jims in the U.S.A., this tool is used to clearance tappet blocks for high-lift cams. Tool will remove only the material needed to allow the tappet roller to clear the tappet block. Professional results in a manner of minutes. Can be used with 1984 thru 1999 Evolution Big Twins and 1986 thru 1990 Sportster engines, including aftermarket and S&S engines.

750323 Tappet block clearancing cutter

SINGLE CAM RELIEF TOOL FOR BIG TWIN ENGINES BY ZIPPER'S

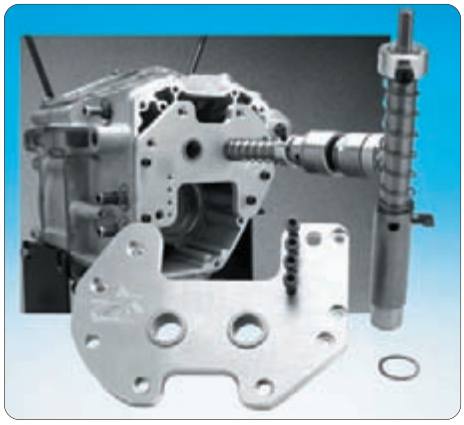
The ultimate tool when installing High lift cams in Big Twin motors. With this cutting tool you can provide clearance for the cam's rear intake lobe by removing material from the engine case, a necessity when installing almost any aftermarket cam. It provides an easy and professional way to machine the engine case, even with the engine installed in the frame. It may also be used when assembling an engine from scratch, thereby eliminating the need to set-up the case half on a milling machine.

232057 Cam relief tool

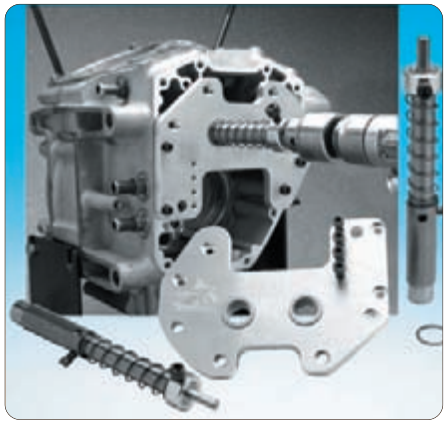
232089 Cam tool cutter bit

JIMS CAM RELIEF TOOL

If you want to use larger than stock or high lift cams you will have to take out some case material. To do this properly you need a cam relief tool. There are 3 versions each for a different engine type. The Twin Cam version is available in single or dual spindle. The dual spindel will safe set up time. Simply mount this tool and slowly turn in the threaded body as you power through a standard drill with 1/2" chuck.



A. 750317 Single spindle Twin Cam 88 cam relief tool



B. 750318 Dual spindle Twin Cam 88 cam relief tool

C. 750319 Cam relief tool for Evolution Big Twin style engines

D. 750320 Cam relief tool for 1991 to present Sportster and 1995 to present Buell

JIMS PINION GEAR PULLER FOR BIG TWIN & SPORTSTER MODELS

Precision machined tool, used to remove pinion gear of all Big Twin and Sportster models. This tool also installs the pinion gear on 1951 thru 1955 Big Twin and all Sportster models, collar included.

237349 Pinion gear puller (OEM 96830-51)

CAM GEAR REMOVER

Use to safely remove the cam gear from the camshaft on all single cam Big Twin models 1939 thru 1999. This precision tool acts as a stable base keeping the camshaft perfectly straight for easy removal. A 3/8" ball bearing is included to protect the camshaft's end while pressing off the gear. To accurately install the cam gear use ZPN 721540 Cam Gear Alignment tool.

741904 Cam gear remover

JIMS PINION GEAR LOCK TOOL

Use to lock pinion gear, necessary to torque the pinion nut. Tool is simple to use, just align under-neath gear and screw into case. Use ZPN 234994 to tighten pinion nut.

239475 Jims pinion gear lock tool

JIMS CAM GEAR ALIGNMENT TOOL

Another high precision tool from Jims. Designed to index the cam gear's position while removing or installing the cam gear on cam shafts used in 1970 thru 1999 single cam Big Twins. When the cam gear is removed, the gear can be repositioned to another camshaft in exactly the same spot. It is also possible to press the gear on in the advanced or retarded position. Easy to use, time saving and accurate. Use ZPN 741904 to remove.

721540 Cam gear alignment tool 1970 thru 1999 single cam Big Twins

CAM COVER HOLDING TOOL

This handy fixture is easily mounted in a vise, and is used when installing or removing the cam cover bushings on Shovelhead and Evolution Big Twins 1970 thru 1999. It holds the cam cover in a flat position and keeps it from being scratched (not Twin Cam).

721539 Cam cover holding tool for Big Twin 1970 thru 1999

JIMS INNER CAM BEARING INSTALLATION TOOL

This tool installs the inner cam bearing to the proper depth. Can be used on all Big Twin engines from 1958 to present.

239476 Jims inner cam bearing istallation tool

JIMS CAM SEAL REMOVER AND INSTALLER TOOL

This tool is the first on the market to remove and install the cam seal on 1970 thru 1984 Shovelhead and 1984 thru 1999 Evolution Big Twins without removing the cam cover. Tool can also be used to remove the cam cover from the crankcase. Does NOT work on Twin Cam models.

235994 Cam seal remover & installer tool

JIMS CAM BEARING & BUSHING ALIGNMENT TOOL

Use to check the alignment of the cam bearing to the cam cover bushing to well within .0003" of center line. Any binding of this tool indicates misalignment of cam cover, and or bushing. A must for engine builders. Use on Big Twins from 1970 thru 1999.

239481 Bearing & Bushing Alignment tool

JIMS ROCKER ARM BUSHING INSTALLER

Use this tool to install rocker arm bushings in rocker arms with or without press. This tool will install each bushing to the correct depth for the best oil control. Use the puller ZPN 237339 for removing bushings, and ream to size with the line reamer ZPN 235794. This rocker arm bushing tool works on Big Twin models from 1966 to present and Sportster models 1957 to present.

235825 Rocker arm bushing installer

ROCKER BUSHING REAMER TOOL

American made tool to ream newly installed rocker bushings in line with each other. For use on 1966 to present Big Twin rocker arms and 1957 to present Sportster rocker arms (OEM 94804-57).

235794 Rocker bushings reamer tool

JIMS LINE REAMER TOOL FOR BIG TWIN CAM BUSHINGS

High quality tool to line ream the cam cover bushing of Big Twin models from 1970 to present.

235795 Jims line reamer tool for Big Twin cam bushings

JIMS VALVE SPRING COMPRESSOR TOOL

American made valve spring tool necessary for removing or installing valves. Works on all overhead valve 1936 to present Big Twin models, including Twin Cam and 1986 to present Evolution Sportster models 1986 to present. Must be used in conjunction with the optional collar on 2005 to present Twin Cam models and 2004 to present Sportster & Buell models.

235849 Jims valve spring compressor tool (OEM 96600-36B)

750691 Optional collar for use on 2005 to present Twin Cam models and 2004 to present Sportster & Buell models

JIMS VALVE SEAT LAPPING TOOL

Use this tool to perform the final profile lapping of the valve seat. The suction cups affix to either dished or flat, and small or large valve faces. The comfortably shaped handle is ideal for quick and smooth rotations.

750316 Valve seat lapping tool

MINI VALVE SPRING TESTER

The mini valve spring tester provides a solution for checking valve spring pressure accurately when assembling cylinder heads. A must for the professional engine builder. Tester may also be used for testing clutch springs. Tester is hex design for easier handling, and can be used in a vise, arbor or drill press with the optional drill press flange. Mini valve spring tester is available in 0-1000 PSI.

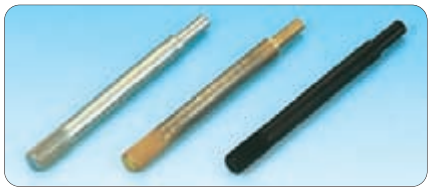
234412 0-1000 PSI mini valve spring tester

236382 Optional drill press flange

JIMS COMPRESSION RELEASE VALVE TOOL KIT

For proper installation of compression release valves ZPN 750300 or ZPN 741345, this tool kit is strongly recommended. It will guide you in drilling the right holes (depth/diameter) in the right position. Kit comes including instruction sheet.

750314 Compression release valve tool kit



JIMS VALVE GUIDE DRIVER TOOL SET

Valve guide tool set for simple removal and installation of valve guides. Made from outstanding materials to insure a life time use.

235893 Jims valve guide driver tool set

VALVE GUIDE AND SEAL TOOL FOR EVOLUTION ENGINES

Time saving, American made, tools for proper installation of shoulderless valve guides and valve guide seals in Evolution Big Twin 1984 thru 1999, Twin Cam 1999 thru 2004 and Evolution Sportster 1986 thru 2003. The tool handle is used to remove the shoulderless guides as well a driver for both valve guide and valve guide seal tool.

235790 Valve guide drive tool
235791 Valve guide mounting tool (Use with ZPN 235790)
235792 Valve guide seal mounting tool (Use with ZPN 235790)

VALVE GUIDE DRIVERS FOR LATE EVOLUTION SPORTSTER & TWIN CAM

Made by Rowe USA tools for proper installation of the 7 mm valve stem size valve guides in 2005 to present Twin Cam and 2004 to present Evolution Sportster. The socket is used to drive the valve guide to the correct depth.

721031 Valve guide drive tool
721045 Valve guide socket (Use with ZPN 721031)

TROCK VALVE TRAVEL CHECKERS

Trock Valve Checkers are the most accurate tools available for measuring valve travel on all Panhead, Shovelhead, Evolution Big Twin, Twin Cam and Sportster heads. If you set up more than two pairs of heads per year, these fixtures are well worth owning. You can use the dial indicator with every individual valve checker, so fixture and dial indicator must be ordered separately.

Fixtures

232540 For use with Evolution Big Twin, Twin Cam and 1991 to present Sportster heads
232544 For use with Shovelheads
232545 For use with 1957 thru 1985 Ironhead Sportster and 1986 thru 1990 Evolution Sportster heads

Optional

232548 Cam End play Checkers

JIMS SOLID CARBIDE VALVE GUIDE REAMERS

These unique reamers feature a 2" long pilot for perfect alignment with the valve guide while reaming. With these reamers you can expect to ream a valve guide to exact dimensions without any taper in just a few seconds. The solid carbide reamers are available in 7 different diameters.

750304 .3110" (7.90 mm)
750305 .3115" (7.91 mm)
750306 .3120" (7.92 mm)
750307 .3410" (8.32 mm)
750308 .3772" (9.58 mm)
750309 .3777" (9.59 mm)
750310 .3782" (9.61 mm)

VALVE GUIDE MACHINING TOOL

Order a cutter body and cutter body pilot for your application to machine oil seal seats or to shorten valve guides. Works on valve guides that are already installed in the cylinder head.

Cutter bodies

231387 For Sportster 1957 thru 1985
231389 For Big Twin 1948 thru early 1979
231388 For Big Twin late 1979 thru 1984

Cutter body pilot

231391 Pilot cutter body
231392 For Sportster 1957 thru 1985 (exhaust)
231390 Pilot cutter body

JIMS PUSHROD COVER SEAL SEAT CUTTER

Use to correct any misalignment with pushrod cover O-ring seats when pushrod covers refuse to seal. Works with Evolution Big Twins 1984 thru 1999 and Sportster 1986 thru 1990. Instructions included.

750322 Pushrod cover seal seat cutter

ROWE-PRO VALVE GUIDE PUSHER KIT

Rowe's professional valve guide pusher kit lets you push the guide into the head by using a hand wrench rather than drive it in with a punch. Recommended press fit is .0015" to .002". There are two kits available. One for 5/16" bore guides as used in Evolution motors, the other for 3/8" bore guides as used in pre-Evolution motors. Parts are also available separately.

Note: Not designed for use with air wrenches!

Pre-Evolution pusher kit, contains stud, thrust washer and needle bearing

721139 3/8" Pusher kit

Replacement parts for 3/8" kit

721140 Needle thrust bearing
721141 Thrust washer
721142 Stud

Evolution pusher kit, contains stud, thrust washer and needle bearing

721135 5/16" Pusher kit for Evolution

Replacement parts for 5/16" kit

721136 Needle thrust bearing
721137 Thrust washer
721138 Stud

TAPPET ADJUSTING GAUGE

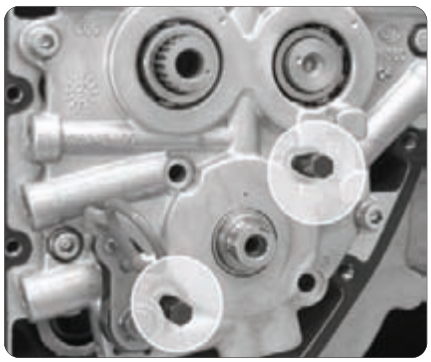
A simple quality tool for checking and adjusting hydraulic tappets without removing them. Measures the clearance between the lifter and the pushrod. Works with all Big Twins 1953 thru 1984, except Evolution models (OEM 94438-79).

133019 Tappet adjusting gauge

S&S ROCKER COVER WRENCH SET

This set is helpful in areas where the motorcycle frame may prevent the use of conventional tools. Kit contains 4 wrenches, suitable for most models.

750030 Rocker wrench set



TAPPET BLOCK AND OIL PUMP ALIGNMENT TOOL

Alignment tool to ensure that the tappet tracks on centerline of cam lobe on 1977 to present Big Twins. Must be used whenever one of the tappet blocks is removed. Use two of these alignment tools on 1999 to present Twin Cams to align the oil pump to cam support plate. Helps reduce oil scavenging problems associated with oil pump misalignment. (OEM 33443-84). Available in two versions: Zodiac's economical priced ECO-line or USA made by Jims.

131110 ECO-line alignment tool

235868 Jims USA made alignment tool

COUNTER SPROCKET NUT WRENCH

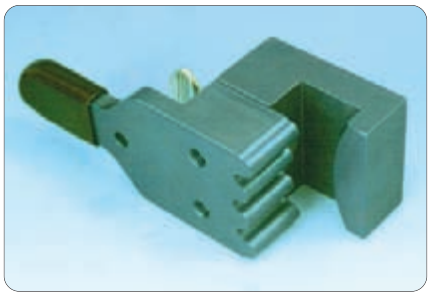
Used to install or remove counter-shaft sprocket nut on all Big Twins from 1936 thru 1984. Zinc plated finish (OEM 94660-37).

131141 Counter sprocket nut wrench

TAPPET GUIDE PULLER FOR SPORTSTER MODELS

Removes press-fit tappet guides from the crankcase after tappet body adjusting screw is removed. Fits Sportster models from 1957 thru 1978 (OEM 95724-57).

235806 Tappet guide puller for Sportster models



JIMS BIG TWIN SPROCKET LOCKER

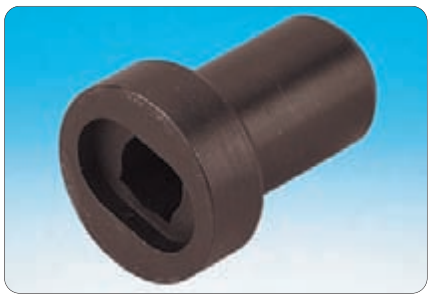
Another great tool available. This Big Twin sprocket locker is for use on belt driven Big Twin models from 1980 to present and is used to lock the final drive sprocket when removing or installing the sprocket nut, use this locker with our lock nut wrench (ZPN 235848).

235842 Sprocket locker

MAIN SHAFT SPROCKET LOCKNUT WRENCH

Extra long two piece design. The inner collar will retain the wrench to the nut for safer service work. Fits 1936 to present Big Twins (1 7/8" hex).

235848 Main shaft sprocket locknut wrench (OEM 94660-37A)



PINION NUT SOCKET TOOL

This tool is used to remove or install the pinion shaft cam gear nut in all Big Twin models from 1955 to present (OEM 94555-55).

234994 Pinion nut socket tool

JIMS PINION GEAR NUT SOCKET FOR 1954 THRU 1989 BIG TWINS

Use this tool to remove or secure pinion gear nut to pinion gear shaft. Tool has 1/2" drive and can be used with the pinion gear locker tool(ZPN 239475) as shown elsewhere in this catalog (OEM 94555-55A).

235780 Pinion gear nut socket

JIMS FLYWHEEL SOCKETS

Look no further for the best flywheel rebuilding sockets available. Zodiac offers these low-profile flywheel sockets, which are just long enough to give 100% nut to sprocket contact and 100% drive end contact. Machined flat at the nut receiving end to eliminate rounding off the nut and greatly reducing the risk of bodily injury. These sockets are machined from solid steel 4130 chromium-molybdenum and heat treated to give a lifetime of service. Available in various models for use on Big Twin models from 1954 to present and Sportster models from 1981 to present.

236213 For use on Big Twins 1954 thru early 1981, 1 5/16" socket with 1/2" drive

236216 For use on Big Twins 1972 to present, 1 5/8" socket with 3/4" drive

236215 For use on Big Twins late 1981 thru 1989, 1 1/4" socket with 1/2" drive

236214 For use on Big Twins late 1983 to present, 1 1/2" socket with 1/2" drive

236217 For use on Sportsters 1981 to present, 1 3/8" socket with 1/2" drive

JIMS PISTON PIN KEEPER TOOL

This tool helps you to install retaining ring in piston in one easy step without distorting ring. For the safest wrist pin retention possible. Useable for Big Twin 1983 to present, Sportster late 1985 to present and Buell 1987 to present.

233149 Piston pin keeper tool

JIMS PISTON PIN BUSHING REAMER TOOL

These Jims piston pin bushing reamer tools can be used with the rods in or out of the motor. Reamers are easy to use with their specially designed lead in taper at the start of each tool. Will ream the piston pin hole to exact tolerances. Available for single cam Big Twins, Twin Cams, and Sportster models.

711283 For use on single cam Big Twins

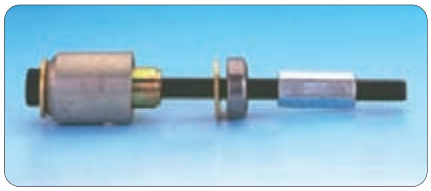
711285 For use on Twin Cam models, Dyna 1999 thru 2005, Touring 1999 thru 2006 and Softail 2000 thru 2006 and air cooled Buells

711284 For use on Sportster models

JIMS OUTER PRIMARY COVER STARTER BEARING REMOVER TOOL

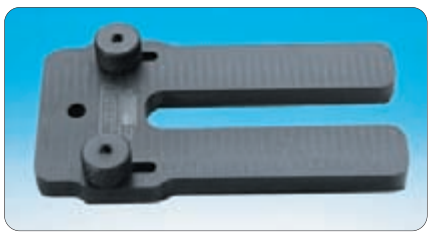
Very user-friendly tool to extract the starter bearing from the outer primary cover. Bearing can easily be removed, even if the cover has been chromed with bearing installed. Works on all Big Twins 1965 thru 1988 that use needle bearing OEM 9063 for the starter shaft. This tool will also remove the countershaft gear bearing (OEM 35961-52) used on Big Twins 1952 thru 1990 as well as 4 speed Sportster clutch gear.

750329 Outer primary cover starter bearing remover tool



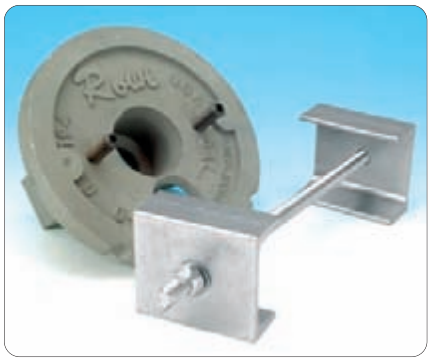
JIMS PISTON PIN BUSHING TOOL
Use to remove and install wrist pin bushings on all Sportster and single cam Big Twin models without removing the rods from the crankcase.
237347 Piston pin brushing tool(OEM 95970-32C)

JIMS PISTON RING GROOVE CLEANER
This tool is specially designed to clean up the compression ring slots. It will remove the carbon build-up easily. The tool includes two cleaning spurs with sizes 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 1.5mm, 1.75mm, 2mm. Can be used on all pistons with 2 3/4" to 5" (70 to 127 mm) diameter.
750327 Piston ring groove cleaner



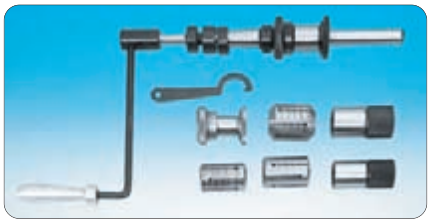
JIMS PISTON SUPPORT PLATE
When installing rings and cylinders the support plate is a big help. The plate will give you a firm flat support to push the bottom of the piston against. This will make it much easier to install the rings and cylinder over the piston. No more turn over or damaging the pistons. Can be used on all H-D style engines.
750328 Piston support plate

JIMS WRIST PIN CLIP REMOVER & INSTALLER
Jims developed this tool to easily remove and install wire type wrist pin clips without damage to the piston. Can be used on all 1984 thru 1999 Evolution engines.
750326 Wrist pin clip remover & installer



ROWE FLYWHEEL REBUILDING FIXTURE
Another professional tool from Rowe. This flywheel rebuilding fixture allows servicing and disassembly of flywheels in a standard vise. Two 7/16" allen set screws hold the bottom keyed flywheel while the channel iron keeps the un-keyed top flywheel from moving when installing or removing sprocket and pinion shafts.
721143 Rowe flywheel rebuilding fixture

JIMS SPROCKET SHAFT HOLDER
This tool is used to hold the flywheel assembly in vise, with or without left case attached. Can be used on all Big Twin models from 1955 to present and comes complete with instruction sheet.
234131 Sprocket shaft holder



CRANKCASE BEARING LAPPING TOOL
This crankcase lapping tool aligns left and right main bearing races as well as lapping to size or over-size on all Sportster, Big Twin and 45 CI motor cases. Comes with 1.375", 1.500" and 1.750" diameter lap heads. Replacement 1.750" lap head is also separately available.
234996 Crankcase bearing lapping tool (OEM 96710-40)
235003 Lap head 1.750" (OEM 96718-58)

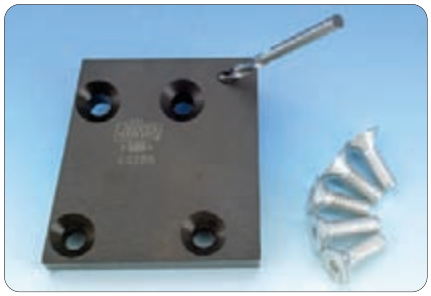
ROD LAPPING TOOL
American made rod lapping tool for precise lapping of Big Twin, Sportster, K models, 45" and Indian connecting rods. Kit includes arbor assembly as well as 1 1/2" and 1 5/8" lap heads. A must for every engine build shop (OEM 96740-36).
235809 Complete rod lapping tool
235811 Replacement lap head 1 5/8"

JIMS SNAP RING INSTALLER & REMOVER TOOL
Exclusively designed by Jims to make installation and removal of Timken outer race snap rings easy and without damaging the case. A must when working on 1990 to present cases without inserts. This tool can be used on all Big Twin models from 1969 to present and comes with instructions.
233154 Snap ring installer & remover tool

DRILLING JIG OIL PASSAGE
This crank-case oil passage drilling jig is used to perform crankcase drilling modifications when installing an S & S and other late oil pump assembly on early Big Twin crankcases. Made of steel and heat treated file hard for durability, this fixture enables the builder to do four modifications:

- Drill the primary oil supply passage from the breather valve gear cavity to the back side of the oil pump body on late generator and early alternator cases.
- Drill the pressure relief passage from behind the main oil pressure valve to the gear cavity on alternator cases.
- Drill the crankshaft and main bearings supply passage on generator cases.
- Drill the crankshaft and main bearings supply passage on early alternator cases
- This tool is a must for all workshops, engine builders and High Performance shops.

234930 Drilling jig oil passage



JIMS OIL PUMP DRILL JIG TOOL
This incredibly easy to use crankcase oil passage jig allows you to modify Big Twin 1973 thru 1980 crankcases to accept the later style 1981 thru 1991 style oil pump. Works for OEM as well as aftermarket pumps. Each jig includes an instruction sheet.

233148 Oil pump drill jig tool

JIMS EXHAUST STUD DRILL PLATE
This tool is designed to guide and keep alignment of the drill bit when drilling out broken exhaust studs. A follow up with a tap is all that is needed to clean up threaded hole. This tool can be used with motor in most frames. Will work on Big Twins 1984 to present, Sportster 1986 to present and Buell 1987 to present.

233144 Exhaust stud drill plate

JIMS EXHAUST GASKET INSTALLER TOOL
This Jims Exhaust Gasket Installer will safely install exhaust gasket seal on air cooled Buells, Evolution Sportster, Evolution Big Twin and Twin Cam evenly and square without distorting the seal. Without a proper tool, installing could run the risk of developing an exhaust leak. The tool uses either the two exhaust stud flange nuts from the exhaust system or a JIMS tool handle ZPN 235804 to install the seals. Manufactured from high grade 6061 aluminum, and then finished with JIMS blue anodizing.

751084 Exhaust gasket Installer Tool

JIMS OIL PUMP SEAL INSTALLER
Easily install oil pump seal perfectly below gear surface for a no leak fit. This installer can be used on all aluminum Big Twin pumps.

236218 Jims oil pump seal installer

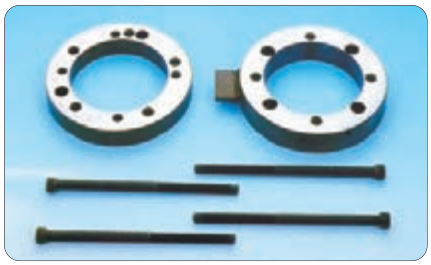
OXYGEN SENSOR SOCKET TOOL
This tool is used to remove or install the oxygen sensor on all closed loop fuel injected H-D and Buell models. Socket has a 3/8" drive receiver or can be used with a 7/8" wrench. Socket will withstand up to 125 lb/ft of torque.

751055 Fits all Fuel Injected Oxygen Sensor equipped models 2006-present.

JIMS OIL PUMP SNAP RING INSTALLER

This tool will help you to easily install the outer snap ring on all Big Twin oil pump shafts, without "over-stretching" the ring. Just apply oil to the ring expander, hold up to the end of the shaft, then push ring onto the shaft with sleeve.

236219 Oil pump snap ring installer



DELKRON CYLINDER TORQUE PLATES

These cylinder torque plates are a must for all shops or mechanics working on aluminum cylinders. Delkron torque plates are made of 4130 steel, machined then hardened to a RC50 and ground to .0005" flatness. By using these cylinder torque plates on aluminum cylinders you are assured of perfect roundness when they are assembled and torqued in the motor. These plates are drilled and tapped for use with Shovelhead and Evolution Big Twin cylinders or Twin Cam cylinders.

232231 Cylinder torque plates, Big Twin thru 1999

232579 NEW Cylinder torque plates, Twin Cam 1999 to present

ALLEN CYLINDER TORQUE BOLTS FOR EVOLUTION SPORTSTER CYLINDERS

Bolts are a shorter version of the bolts supplied with Delkron's torque plate kit (ZPN 232231) and must be used in combination with the torque plates supplied in this kit for precise boring of the aluminum cylinders of the Evolution Sportster.

232232 Allen cylinder torque bolts for Evolution Sportster cylinders

JIMS TAPPET OIL FILTER SCREW PLUG TOOL

How easy can it get. Use this simple tool to remove tappet oil filter screen without removing your exhaust pipes.

236220 Jims tappet oil filter screw plug tool

Note: Only works with slotted screw.

JIMS HEAD HOLDER TOOL

A very handy tool when working on cylinder heads. It holds the head through the spark plug hole and can be clamped in a vise. It has 14 mm and 12 mm ends to be used on 1948 to present Big Twin models and 1957 to present Sportster models.

239477 Head holder tool

JIMS HEAD BOLT TORQUE GAUGE FOR EVOLUTION ENGINES

This accurate gauge is made by Jims and allows precise measuring of 90° when tightening head bolts on Evolution Big Twin, Evolution Sportster and Buell models. The torquing sequence is lasered on the gauge and it comes with instructions.

233145 Head bolt torque gauge

LEFT CRANKCASE BEARING RACE INSTALLER

Use to install the bearing race in the left crankcase. With this tool you can press in the bearing races straight time after time. Use on Big Twins from 1969 thru 2002 and Sportster models from 1977 thru 2003.

239480 Left crankcase bearing race installer

ROD RACE TOOL

For use on all models connecting rods. Supports both sides of rod, when races are removed or replaced, minimizing the possibility of distortion to female rod or race.

235801 Rod race tool

SPROCKET SHAFT BEARING PULLER FOR SPORTSTER

With this tool you can easily remove the inner Timken bearing from the sprocket shaft without removing the shaft from the flywheels. Use on Sportster engines from 1957 thru 1976.

239479 Sprocket shaft bearing puller

TIMKEN BEARING REMOVER FOR SPORTSTER MODELS

This tool is used to remove the Timken bearing from the sprocket shaft without removing the shaft from the flywheels. Can be used on all Sportster models from 1977 thru 2003 and Buell models from 1987 thru 2003.

233470 Bearing remover

TIMKEN BEARING REMOVER FOR BIG TWIN MODELS 1955 THRU 1985

This tool will remove the sprocket shaft Timken bearing on Big Twin models with a separate sprocket shaft as stock from 1955 thru 1985 and as found in aftermarket flywheels for models from 1955 to present.

235793 Sprocket shaft bearing remover

TIMKEN BEARING REMOVER FOR BIG TWIN MODELS 1986 TO PRESENT

This tool will remove the sprocket shaft Timken bearing on Big Twin models with an integral sprocket shaft as stock from 1986 to present. A specialized tool that does the job better than anything else on the market.

233478 Sprocket shaft bearing remover

JIMS SPROCKET SHAFT BEARING RACE TOOL

Used to remove and install the Timken bearing race in the crankcase. To be used with ZPN 237107 Spacer Driver and ZPN 235804 Race & Bearing Installation Tool.

721543 Bearing race tool for 1969 thru 1999 Big Twins, including Twin Cam models 1999 thru 2002

721544 Bearing race tool for 1977 thru 2003 Sportster models

237107 Spacer driver tool

235804 Race & bearing installation tool

JIMS TWIN CAM CRANKSHAFT GUIDE

This tool will spread the crankcase pinion bearing rollers while re-assembling the right side engine case on to the flywheel assembly of any Twin Cam 88 model 1999 to present.

720534 Jims Twin Cam crankshaft guide

CAM GEAR SIZE MEASUREMENT PINS

These cam gear size measurement pins have to be used when measuring the sizes of your cam gears. Measurement should be done over the pins (as shown on photo). Installing the right cam gear will reduce noise. Gear size measure-ments (over pins) are listed in the 1990 Harley-Davidson workshop manual using .108" pins instead of .105" pins (as for earlier years).

232604 Cam gear size measurement pins .108" diameter

232605 Cam gear size measurement pins .105" diameter

JIMS OUTER PRIMARY COVER STARTER BEARING REMOVER TOOL

Very user-friendly tool to extract the starter bearing from the outer primary cover. Bearing can easily be removed, even if the cover has been chromed with bearing installed. Works on all Big Twins 1965 thru 1988 that use needle bearing OEM 9063 for the starter shaft. This tool will also remove the countershaft gear bearing (OEM 35961-52) used on Big Twins 1952 thru 1990 as well as 4 speed Sportster clutch gear.

750329 Outer primary cover starter bearing remover tool

SPORTSTER PRIMARY COVER INSPECTION PLUG TOOL

Designed to remove or install the OEM style primary cover clutch adjusters access plug and filler plug without distorting the plug's slot. Works on all 1954 thru 1990 Sportster and on K-models with aluminum primary covers.

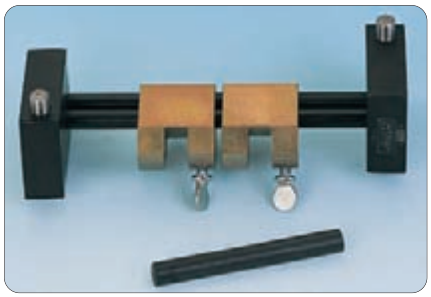
741954 Colony XL primary inspection plug tool

TRANSMISSION LAPPING TOOL

This transmission lapping tool insures proper fitting of roller bearing, stock or oversize, with transmission mainshaft races. Will lap races on all Big Twin transmissions.

234997 Complete tool (OEM 96710-77)

234998 Replacement lap head 1.870" (OEM 96710-79)



SHIFT FORK GAUGES

These American made tools are ideal for setting and aligning shifter forks of 1939 thru 1986 4 Speed Big Twin transmissions.

235807 For use with 1939 thru 1978 transmission (OEM 96384-39)

235808 For use with 1979 thru 1986 transmission (OEM 96385-78A)

JIMS MAIN SHAFT BEARING RACE TOOL FOR BIG TWINS

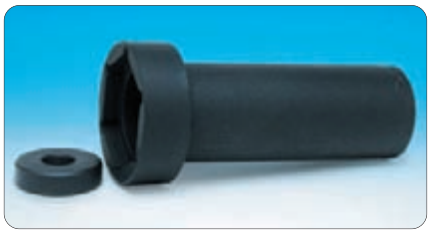
American made tool to install or remove the bearing inner race on the transmission main shaft of late 1984 to present Big Twin models.

235789 Jims main shaft bearing race tool for Big Twins

JIMS BIG TWIN TRANSMISSION STAND

Top quality tool to clamp transmission in a vice. Useable for all 4 Speed transmissions and rubber mount 5 Speed trannies except 1993 to present FLT models.

235983 Transmission Stand 4+5 speed BigTwin



JIMS TRANSMISSION MAIN DRIVE GEAR WRENCH TOOL FOR 6 SPEED MODELS

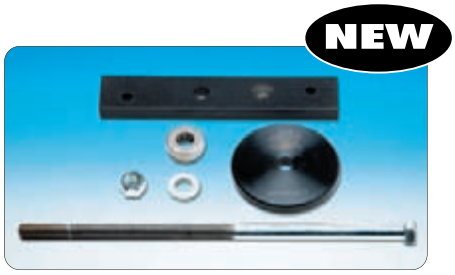
Wrench tool to remove the 2 1/4" hex nut that secures the final drive pulley on the end of the main drive gear. Fits OEM 6 speed transmission equipped 2006 Dyna's and all 2007 to present Twin Cam 96 models.

750703 Main drive gear wrench tool

JIMS MAIN DRIVE GEAR BEARING TOOL

Tool to install inner and outer 5th gear bearings to factory depth on Big Twin 5 Speed models 1991 thru 2006, most aftermarket Big Twin 6 Speed transmissions and Sportster and Buell 1991 thru 2005. New bearing depth incorporated, will still work on early depth. Comes with comprehensive instruction sheet.

231461 Main drive gear bearing tool



JIMS CRUISE DRIVE 6-SPEED MAIN DRIVE GEAR REMOVER TOOL

This tool removes the main drive gear from the main bearing correctly while in the transmission case. This eliminates the need of an arbor press and the risk of transmission case damage. Comes complete with instruction sheet-Works on the 6-speed transmission as used in 2006 to present Dyna, 2007 to present Softail and 2007 to present Touring models.

751089 Jims main drive gear remover tool for late 6-speed

JIMS MAIN DRIVE GEAR INSTALLER TOOL FOR 6 SPEED

Tool to install main drive gear with the use of simple handle tools into the transmission case on 2006 Dyna and all 2007 to present Twin Cam 96 models with 6 Speed transmission. Works also with the transmission still in the frame.

750695 Main drive gear installer for late 6-speed

JIMS MAIN DRIVE GEAR BEARING & SEAL TOOL FOR 6 SPEED

Tool to install main drive gear bearings and seal with the use of a small 1-ton press on 2006 Dyna and all 2007 to present Twin Cam 96 models with 6 Speed transmission.

750697 Main drive gear bearing & seal tool

JIMS MAIN DRIVE GEAR BEARING TOOL

This tool helps you to safely install a new main transmission case bearing in 2006 Dyna 6 Speed models, as well as all 2007 to present Twin Cam 96 transmissions by using hand tools. The tool will hold the bearing exactly square to its bore, eliminating any marring of the bearing bore. Comes with comprehensive instruction sheet.

750699 Main bearing installer for late 6-speed

JIMS CRUISE DRIVE 6-SPEED MAIN DRIVE GEAR & BEARING REMOVER / INSTALLER KIT

This is a complete kit for servicing the main drive gear or the main bearing on the 6-speed transmission as used in 2006 to present Dyna, 2007 to present Softail and 2007 to present Touring models. This precision tool removes or installs both parts correctly without damaging the case. Comes complete with instruction sheet.

751090 Jims main drive gear & bearing tool for late 6-speed

JIMS CRUISE DRIVE 6-SPEED TRAP DOOR BEARING REMOVER/INSTALLER KIT

An other innovative tool from Jims that will accurately install a lubed ball bearing into the transmission trap door. Also removes bearing without error and can be performed on a work bench, no need for an arbor press. Comes complete with instruction sheet. Works on the 6-speed transmission as used in 2006 to present Dyna, 2007 to present Softail and 2007 to present Touring models.

751091 Jims trap door bearing tool for late 6-speed

JIMS TRAP DOOR PULLER

This handy tool easily removes the trapdoor from 5- and 6 Speed transmissions. This puller pulls the trapdoor with the gears and shafts attached without damaging the door bearing.

721546 Trap door puller for 1980 thru 2006 Big Twin 5 Speed and most aftermarket 6 Speed transmissions

JIMS TRANSMISSON DOOR REMOVER TOOL

This handy tool allows you to easily remove the complete trap door with gears and shafts from the transmission housing on 2006 to present Dyna models, as well as all 2007 to present 6-Speed Twin Cam 96 models.

750702 Transmission door puller for 2006 to present Dyna and 2007 to present Twin Cam

JIMS 5 SPEED TRANSMISSION SHAFT INSTALLER

This tool allows easy installation of transmission shafts, without the need to use an arbor or hydraulic press. Can be used to install the mainshaft as well as the counter shaft in 5 Speed and 6 Speed transmissions.

721545 5-speed Transmission shaft installer

JIMS TRANSMISSION DOOR BEARING TOOL

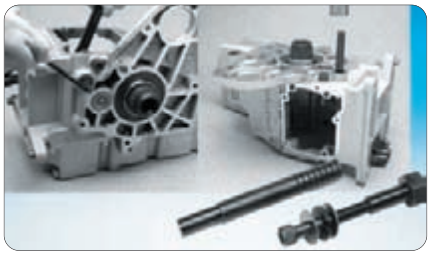
This tool is designed to remove and install the transmission door bearings. With this tool you can also remove the door for replacement without removing the complete transmission assembly. For use on 1980 thru 2006 Big Twins with stock or aftermarket 5- or aftermarket 6 Speed transmissions. Also works on transmissions with larger-than-stock size trapdoor bearings.

751083 Jims trapdoor bearing tool

MAIN DRIVE GEAR BUSHING TOOL

Used for replacing and installing main drive gear bushings on all Big Twin models from 1936 thru 1986.

235802 Main drive gear bushing tool



JIMS SHIFTER SHAFT SLEEVE TOOL

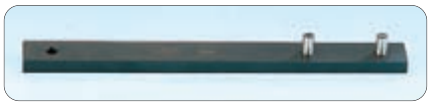
Use to remove and install the shifter shaft sleeve in all 5 speed Big Twin transmissions and most aftermarket 6 Speed transmissions. This tool may be used to remove or install replacement or upgrade shifter shaft sleeve, assembly and drum. Works for Big Twins 1980 thru 1999 as well as Twin Cam 1999 thru 2006, except 2006 Dyna models.

750335 Shifter shaft sleeve tool

JIMS SHIFTER SHAFT REMOVER TOOL

Use this tool to loosen and remove both shifter shafts from the transmission door, allowing further disassembly. Works on 2006 Dyna 6 Speed transmissions, as well as on all Twin Cam 6 Speed transmissions 2007 to present.

750693 Shifter shaft remover tool

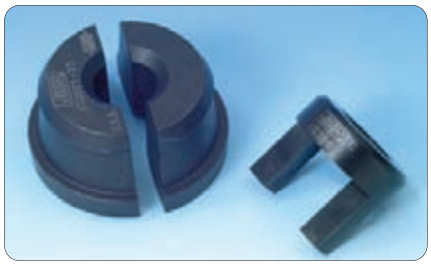


COMPENSATING SPROCKET WRENCH

USA made compensating sprocket shaft nut wrench. Fits Big Twin models from 1955 thru early 1970 and Sportster models from 1957 thru 1976 (OEM 94557-55A).

235805 Compensating sprocket wrench

JIMS TRANSMISSION STUD INSTALLER
This tool is for easy installation of the bottom mounting studs on all rigid mount transmissions. For use on all 1936 thru 1986 4 Speed transmissions, and 1985 thru 1999 5 Speed Softail transmissions.
721547 Transmission stud installer tool



WHEEL BEARING RACE REMOVER AND INSTALLER TOOL
Use to remove and install the bearing cups in cast wheels on 1973 thru 1999 Big Twin and Sportster models. Must be used with ZPN 235804 (OEM 33071-73).
235921 Bearing race remover and installer tool

JIMS TOOL DRIVER SPACER
The effectiveness of any bearing race remover tool is dependent on the ability to grip the race. This spacer applies outward force on the bearing race tool to allow easier removal. Must be used with handle ZPN 235804. Works with most Jims bearing race tools, such as ZPN 233171, 237351 and 235921.
237107 Spacer driver tool

RACE & BEARING INSTALLATION TOOL
This driver must be used with ZPN 237107 wheel bearing race remover & installer tool (OEM 33416-80).
235804 Race & bearing installation tool

JIMS BRAKE CALIPER PISTON REMOVER
This tool will support the brake caliper pistons for removal by holding the pistons square to their bores. This prevents any damage to the pistons and the piston bores so seals can easily be replaced. For use on 4 piston brake calipers 2000 to present.
750336 Brake caliper piston remover

JIMS STEERING HEAD BEARING RACE TOOL
Makes removal and installation of steering head bearing races as used in 1949 to present Big Twin, 1978 to present Sportster and Buell models an easy job. Must be used with driver spacer (ZPN 237107 & 235804).
233171 Steering head bearing race tool

WHEEL BEARING REMOVER AND INSTALLER KIT FOR 2000 TO PRESENT MODELS
Use to remove and install "new style" sealed wheel bearings, as used in all 2000 to present Harley-Davidson and Buell models, without damaging the wheel.
741912 Wheel bearing remover

JIMS 25 MM WHEEL BEARING REMOVER AND INSTALLER TOOL
This tool is used to remove and install the 25 mm wheel bearings on most 2007 to present models, including ABS wheel bearings. Tool must be used in combination with wheel bearing remover and installer kit ZPN 741912.
751077 Wheel bearing remover

WHEEL LUG T-BAR WRENCH
Big and strong T-bar style wrench for the allen head wheel lug bolts as found on all 1935 thru 1972 models.
740047 T-bar wheel lug wrench (OEM 94621-35)

JIMS STEERING HEAD BEARING RACE INSTALLER

This tool is designed to pull steering head bearing cups straight and true into Big Twin frames from 1936 to present as well as most aftermarket frames.

233161 Jims steering head bearing race installer

JIMS FORK STEM BEARING REMOVER

This tool is required to remove the tapered lower fork stem bearing on all 1960 to present Big Twin models, 1982 to present Sportster and 2002 to present V-Rod. For removal of the lower fork stem bearings on early 1978 thru 1981 Sportster models an additional Hard End Cap is required. The Hard End Cap is sold separately.

751068 Fork stem bearing remover
233200 Hard end cap

REAR WHEEL COMPENSATOR BEARING REMOVER AND INSTALLER TOOL

Use this tool to remove and install the compensator ball bearing, after the rear pulley is removed from the rear wheel drive bowl on 2008 to present V-Rod, Sportster and Touring models. This ball bearing is now positioned with the rubber isolators in the drive bowl. This tool will center and guide the installer plug with the center of the pulley for safe bearing removal and installation.

751078 Rear wheel compensator bearing remover and installer.

SOFTAIL SWING ARM BEARING TOOL

This tool allows you to install the spherical swing arm pivot bearings in 1984 to present Softail. Guarantees a straight fit and easy removal without using brutal force, all you need is this tool and a pair of regular spanners.

351323 Softail swing arm bearing remover & installer

JIMS PIVOT BEARING REMOVER

Removing and installing the swingarm pivot bearings ZPN 782023 (OEM 9076) or ZPN 231759 (OEM 9270A) on 1984 to present Softail models requires this tool. This tool can also be used to remove and install the front fender spherical bearings (OEM 9149) on 1997 thru 2002 and 2004 to present Heritage Softail models.

751069 Jims pivot bearings remover

JIMS CLEVEBLOCK SPREADING TOOL

When cleveblocks in FXR rubber mount frames from 1980 thru 1994 are replaced they need to be positioned to install in the rear of the transmission. This tool will spread the swing arm cleveblocks allowing for the installation of the swing arm.

233167 Cleveblock spreading tool

JIMS CLEVEBLOCK BUSHING REAR SWINGARM ASSEMBLY TOOL

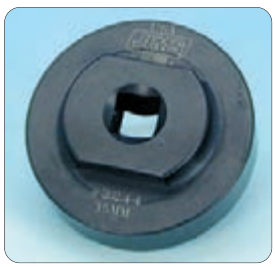
Use this tool to remove and replace swingarm cleveblocks. The silicone filled bushings will damage if not installed properly. This tool presses on the outer sleeve of the bushing, preventing damage to the cleveblock. Can be used with or without a press on FLT 1980 to present, FXR 1982 to 1994 and all FXR style aftermarket frames.

233162 Cleveblock bushing rear swingarm assembly tool

FORK LEG AND TUBE HOLDER TOOL

Use this tool to hold fork legs and tubes for easy hands free servicing or re-building. Mounts in a vise to hold the fork firmly during repair without causing damage to the fork assembly. Will not scratch finishes.

751064 Use on fork tubes with a maximum of 2" (50.8 mm) diameter



JIMS 35 MM HEX FORK TUBE NUT SOCKET 3/8" DRIVE

This tool is the best and safest way to remove or install the 35 mm fork tube caps on all Glide forks, narrow and wide. It has a rubber protective coating on the inside to prevent damage to the nut. Socket is low profile, to clear most handlebars.

235984 Hex top fork tube nut socket

FORK TUBE SPRING RETAINER REMOVER/ INSTALLER TOOL

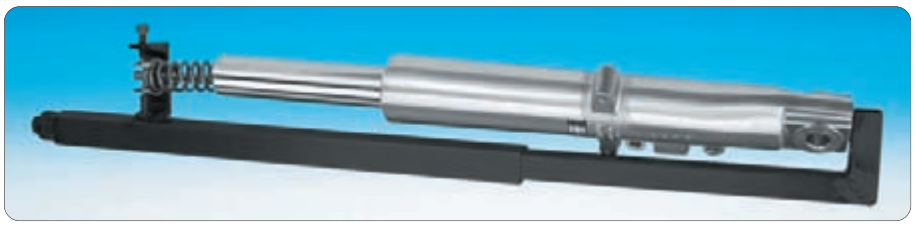
This tool has two pins to match the front fork spring retainer screw on early drum brake Sportsters and Superglides. Locate this tool with the pins facing down on top of the spring retainers inside the fork tube. You will then be able to remove or install this retainer to service the fork assembly.

751065 Fits Sportsters 1952 thru 1972, and Superglide FX models 1970 thru 1972

41 MM FORK SEAL AND BUSHING INSTALLATION TOOL

Designed for easy installation of the fork slider bushing and oil seals on 1984 to present 41 mm forks. With the fork tube installed in the lower fork as a guide for the 2 kilos weighing tool you can use one side of the tool to install the fork slider bushing exactly on depth, the other side to install the fork seal. Use of the tool prevents for damage and guarantees a perfect square installation of both seals and bushings.

351144 41 mm fork seal and bushing installation tool



JIMS FRONT FORK COMPRESSOR TOOLS

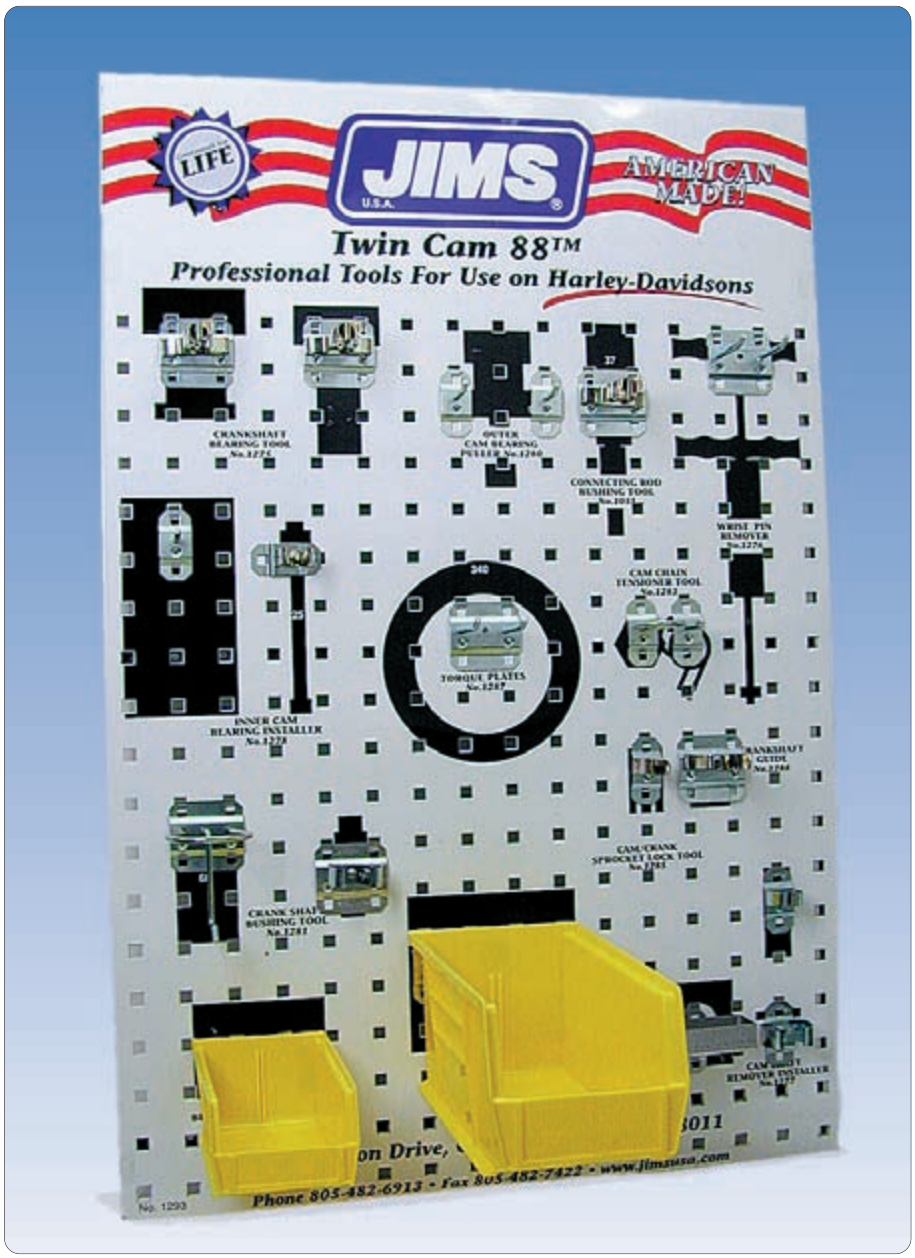
1984 to present fork springs in cartridge style 41 mm fork assemblies require compression when servicing or re-building. This compressor can be mounted in a vice for easy hands free servicing. Includes an adapter for FL forks to eliminate direct contact with spring coil. Also includes a special rod to pull the fork damper rod. Tool works with stock length forks. An extension kit for use with forks from 2" under stock to 16" over stock length is available separately.

751066 Tool for stock length forks

751067 Extension kit for 2" under stock to 16" over stock

JIMS TOOLS FOR TWIN CAM MOTORS

We offer a complete line of tools for the Twin Cam engine. These tools are a must for every workshop.



JIMS TWIN CAM TOOL BOARD

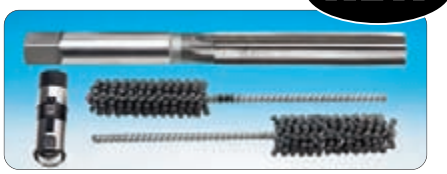
This is the ultimate mechanics Twin Cam tool kit. This kit includes the tool board, with all necessary hangers, bins and overlays, along with the complete list of tools below. If you are serious about servicing the Twin Cam motors, this kit is a must!

741903 Complete Twin Cam tool board kit (including all tools)

Individual parts

720535 Tool board only (no tools, but with all hangers, bins and overlays
720483 Crankshaft bearing tool
720491 Cam bearing puller
720490 Wrist pin remover & installer
720482 Wrist pin remover
720534 Jims Twin Cam crankshaft guide
720489 Cam/Crank sprocket lock tool
720485 Camshaft remover & installer
720486 Cylinder torque plates
720487 Inner cam bearing remover tool
720492 Crank shaft bushing tool
720484 Inner cam bearing installer

NEW



JIMS CASE SAVER OVERSIZE TAPPET REAMER FOR TWIN CAM

This new tool can be a case saver if you have worn out or damaged tappet bores on any Twin Cam engine case. This reamer tool is designed to ream the case to fit +.010" oversize Twin Cam tappets. Tool includes a top quality reamer designed for this application and two Flex-Hones, to perform a perfect finish hone on each tappet hole.

751086 Jims case saver tappet reamer for Twin Cam 1999 to present

JIMS CRANKSHAFT BEARING REMOVER AND INSTALLER FOR TWIN CAM

This quality tool is designed and made by Jims to remove and replace the right side crankcase bearing on Twin Cam "A" engines. Precision made and piloted using Delrin, a non-marring material, to press bearing in and out straight with no damage to the case. Does not work with Twin Cam "B" engines.

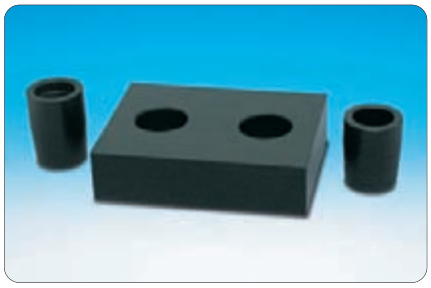
720483 For Twin Cam "A" 1999 thru 2002
750321 For Twin Cam "A" 2003 to present

JIMS INNER CAM BEARING INSTALLER TOOLS FOR TWIN CAMS

This tool will install the two inner cam needle bearings on Twin Cam motors. It perfectly aligns to the shaft bores for a precision press fit. Available for Silent Chain driven Twin Cam 88 models, and roller chain driven Twin Cam 88 and Twin Cam 96 models.

720484 For Silent Chain driver Twin Cam 88 models 1999 thru 2006

750705 For roller chain driven Twin Cam 2006 to present



JIMS CAM ASSEMBLY TOOL FOR ROLLER CHAIN DRIVE TWIN CAM

This tool is made from non-marring material to allow you to install camshafts in 2006 to present Dyna models and all 2007 to present Twin Cam 96 models without damaging any of the cams' surfaces. It holds both cams in a position so you can lower the cam support plate over both guides and cam journal guides.

750692 Jims cam assembly tool for roller chain drive Twin Cam models

JIMS TWIN CAM CYLINDER TORQUE PLATES

Jims cylinder torque plates are essential to check cylinder measurements accurately. These torque plates simulate stress conditions when boring and honing and are lasered with the correct torquing sequence and fit both stock and most big bore Twin Cam cylinders.

720486 Cylinder torque plates

JIMS CAM SHAFT REMOVER AND INSTALLER TOOL FOR TWIN CAM

This multi-functional tool will remove and replace front and rear camshafts and the ball bearings in Twin Cam 88 motors. It provides the precision alignment of the camshaft to insure a smooth press in and out of the support plate.

720485 Camshaft remover & installer

JIMS TWIN CAM B CRANKCASE SUPPORT BLOCK TOOL

Jims Crankcase support block tool for Twin Cam B is an innovative tool designed to protect the left engine case while servicing the inner balancer bearings or performing other general engine work. These blocks attach to the outer side of the engine case underneath the balancer bearing pads surface. The blocks are made of aluminum and have an inserted Delrin pad that rest against the case to prevent marring. The blocks properly support the case, keeping it on a level plane when using a press for bearing service work. These tool blocks also keep the case level when using JIMS tool ZPN 751085 to remove the balancer bearings without an arbor press. Comes complete with instruction sheet.

751087 Jims Twin Cam B crankcase support block tool

JIMS CASE SPLITTER TOOL FOR TWIN CAM MODELS

Use this tool to "break" the case sealant by pushing apart both crankcase halves. You just bolt the tool with the supplied hardware to the primary mounting holes. Thread-in the pushing screw by hand and the case will come part and flywheels will be pushed from the left case. No impact tools needed. Works on 2006 Dyna Twin Cam 88 models and all Twin Cam 96 models 2007 to present.

750698 Jims crankcase splitter tool

JIMS TWIN CAM CASE BORING TOOL

This Jims case boring tool takes out all the guesswork of boring both 1999 thru 2006 Twin Cam "A" (except 2006 Dyna's) and 2000 thru 2006 Twin Cam "B" crankcases to accept all 4" bore cylinders. Works well with the Jims 100" piston and cylinder kit, as well as S&S Super Sidewinder Hot Set Up kits. This tool is designed to be used in a heavy duty 15" drill press.

750301 Jims Twin Cam case boring tool

JIMS CASE BORING TOOL

An easy to use tool that allow you to bore 2006 Dyna Twin Cam 88 and all 2007 to present Twin Cam 96 crankcases on a heavy-duty 16" drill press to accept up-to 4 1/8" bore cylinders.

750701 Twin Cam case boring tool

JIMS TIMKEN CASE BEARING CONVERSION TOOL FOR TWIN CAM

This tool is a must for the big cubic inch late model Twin Cam engine builder. It may also be used to replace bearing for stock 88" or 96" engines. Utilizing the special JIMS precision insert, it is designed to easily and accurately convert the left side crankshaft roller bearing (OEM 24604-00D) to the more durable Timken bearing (OEM 9028). This insert is manufactured from aerospace quality steel that is several times stronger than the aluminum case material the standard bearing rides in. This job can be performed with normal hand tools, a hand drill and a 2 ton press. Includes:

- A steel bearing insert held to under .0002" total indicator reading.
- A press plate that will hold the bearing insert in line with the case bearing bore at the time it is being pressed into case
- All the necessary drill bits to drill oil feed and return holes, hardware, and detailed instructions

Timken style crankcase bearing must be ordered separately.

751050 Jims Conversion Tool for use on Twin Cam engines 2003 to present

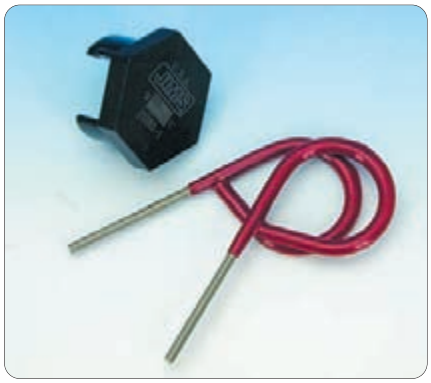
231501 Cramcase bearing L/H, Timken style

TIMKEN REPLACEMENT SLEEVE FOR TWIN CAM

This bearing insert kit is designed exclusively for use with JIMS tool ZPN 751050 and must be installed only with this tool. The insert has been designed to eliminate the center ring normally used between the bearings. This kit includes: bearing sleeve, mounting hardware, Loctite, and detailed installation instructions.

751051 Bearing Insert kit, fits 2003 to present Twin Cam engines

751052 6 Pack of Bearing Insert kits



JIMS TWIN CAM 88 CAM CHAIN TENSIONER UNLOADER

This tool will unload the pressure on the primary and secondary cam chain tensioners to assemble and disassemble cams. This tool also checks spring loads on the chain tensioners.

720488 Jims Twin Cam 88 cam chain tensioner tool

JIMS TWIN CAM CAMSHAFT/ CRANKSHAFT SPROCKET LOCK

This precision tool allows the technician to lock the cam shaft and cam shaft sprockets to properly remove, replace and torque the sprocket bolts. Made from non-marring Delrin. Available for use on Twin Cam 88 with Silent Chain cam drive, and roller chain equipped models, such as FXD 2006 and all Twin Cam 96 models.

720489 Cam/Crank sprocket lock tool
750694 Use on roller chain equipped Twin Cam models

ROD HOLDER TOOL

Used to keep connecting rods in place and eliminate twisting or bending of the connecting rod while reaming or honing the wrist pin bushings on all Big Twin, Sportster, Buell and Twin Cam 88 models. Works well with ZPN 720490 and 237347 wrist pin bushing tools, as well as ZPN 711283, 711284, and 711285 Wrist pin bushing reamers.

741909 Rod holder tool

JIMS TWIN CAM 88 INNER CAM BEARING REMOVER

Designed like Jims' popular Evolution cam bearing tool to remove the bearing easily without any damage to the crankcase. This precision built tool will also keep the pin rollers from accidentally falling into the crankcase.

720487 Inner cam bearing remover tool

JIMS WRIST PIN BUSHING TOOL FOR TWIN CAM

Use to remove and replace wrist pin bushings in Twin Cam 88 motors without removing the connecting rod from the crankcase.

720490 Wrist pin remover & installer

JIMS WRIST PIN REMOVER

This Jims tool will cut the time it takes to remove the wrist pins as it can be used easily by one person. No need for another technician to hold the piston while you drift the pin out. Can be used on all Sportsters and Big Twins, including Twin Cam 88 models.

720482 Wrist pin remover

JIMS TWIN CAM 88 OUTER CAM BEARING REMOVER

Once the camshafts are removed from the support plate, this specialty tool will remove the bearing from the camshaft. Unlike a general purpose puller this tool was designed to remove the bearing straight with no slipping or binding.

720491 Cam bearing puller

JIMS TWIN CAM "B" BALANCER SHAFT ALIGNMENT TOOL

This tool is a must have for maintaining a long life of your balancer drive chains and bearings. When using this tool there is no need for guessing for alignment because it will take all the guess work out of setting up your sprocket and chain alignment on a Twin Cam "B" engine.

750312 Jim's balancer shaft alignment tool

JIMS BALANCER INNER BEARING REMOVER / INSTALLER FOR TWIN CAM B

This Jims tool will accurately, and safely install or remove the inner balancer bearing mounted in the left engine case. This tool is designed for use on both early and late Twin Cam B crankcases and can all be done on a work bench without using an arbor press. Comes complete with instruction sheet.

751085 Jims Twin Cam B blancer inner bearing remover & installer tool

JIMS CRANK SHAFT BUSHING TOOL FOR TWIN CAM 88 MODELS

This Jims tool will remove and install crankshaft bushings in the support plate on Twin Cam 88 models. Piloted for accurate operation.

720492 Crank shaft bushing tool

JIMS BALANCER SHAFT BEARING REMOVER AND INSTALLER

This tool will pull the bearing from the Twin Cam "B" motor case in one easy smooth motion preventing any damage to the bearing bores. The installing portion of this tool is designed to push on the outer diameter of bearing preventing any damage to the bearing itself or it's bore.

750313 Balancer shaft and bearing remover and installer tool.

JIMS CRANKSHAFT BEARING INSTALLER AND REMOVER FOR TWIN CAM "B" MODELS

Designed to protect expensive engine cases by using a specially designed support block to remove or install cam side crankshaft bearing on Twin Cam 88 models with balance shafts (TC88B). Use Zodiac press fit lube ZPN 741905 on case and bearings while installing.

741905 Crankshaft bearing installer & remover

JIMS BALANCER SHAFT RETENTION PINS FOR TWIN CAM "B"

This tool is developed to secure the engine balancers on Twin Cam "B" engines when servicing the flywheel assembly This tool locks into the balancer's sprocket pin holes to prevent the balancer from turning out of synchronization with the flywheel.

750311 Jims balancer shaft retention pins

S&S MAIN JET TOOL

This tool makes it easy to change main jet in S&S GAL, GBL, MGAL, MGL, Super B, Super E and all two-throat carburetors. A must for every professional workshop.

750264 Main jet tool for changing series #72 main jets

SHOCK SPANNER

Works on Harley V-Twins to set more or less, spring compression on the rear shocks. Can be used on models 1958 thru 1984 and Sportster models 1958 thru 1974. Zinc plated finish.

133012 Shock spanner

SHOCK ABSORBER PRE-LOAD SPANNER

Simple but very effective tool to adjust the shock absorber spring pre-load. Works on most shock absorbers.

235188 Pre-load Spanner

SOFTAIL SHOCK PRE-LOAD TOOL

A single hand tool used to adjust the spring pre-load of the rear shock absorbers on 1984 to present Softail models. Does not require jacking or lifting of the rear wheel off the ground.

750803 Softail spring preload tool (OEM 94455-89)

PROGRESSIVE SUSPENSION STANDARD SHOCK TOOL

This USA made shock tool works on most shocks found in this catalog. No more hassle when changing springs, this tool makes it an easy job. Place shock in the holder, insert the pin through the hook, turn arm until holder compresses the spring far enough to remove the collars and release arm again. A must in every workshop.

235125 Standard shock tool

COMPRESSION TESTER

This quality American made tester is designed to test cylinder compression. Hoses fit into spark plug holes on all current Harley and Buell models including the new 10 mm for Buell 1125R. Other hose sizes included are 12 mm and 14 mm for Big Twins and Sportsters. Each kit is complete with carrying case.

751060 Compression tester

DUAL GAUGE LEAK-DOWN TESTER

This tester is the superior dual gauge design. It has an adjustable left-hand gauge with a precision regulator and a large easy to read to read right hand gauge. Comes with an aluminum black anodized main body, corrosion resistant solid brass coupler, and a hose for 14 mm plug holes. This tool enables the professional engine builder/tuner a way to pinpoint leakage of the piston bore, rings, valves, heads, and gaskets without taking the engine apart. With an adapter it can be used to set injection barrel valves. Much more versatile than a simple compression gauge.

711170 Dual gauge leakdown tester

711171 Adapter hose with 12 mm fitting

OIL FILTER SOCKET WRENCH
This 3" oil filter socket wrench works to install and remove most OEM and aftermarket 3" oil filter cartridges as well as our Spin-On replacement oil filter & oil cooler combinations.

235472 3" Oil filter socket wrench, USA made bu Pro-Perform

743140 NEW 3" Oil filter socket wrench, made by Midlock

JIMS OIL FILTER CUTTER
Troubleshooting the oil management system requires looking into the oil filter. Use this tool to inspect for any damaging particles that may be trapped in the filter. This tool locks down the filter for a clean cut around the filter base by rotating the filter. Use this tool in combination with the oil filter cutting stand ZPN 751079. Will fit oil filters up to 5 1/2" diameter.

751080 Oil filter cutter

JIMS OIL FILTER CUTTING STAND
This stand makes the task of cutting open your oil filter easy. Prevents the slippery filter drop out of your hands while trying to cut it open. The stand can be mounted to a bench or used in a vice. The u-bolt quickly tightens the filter in place with the wing nuts provided. This tool should be used in combination with oil filter cutter ZPN 751080. Fits all common OEM and aftermarket spin-on filters.

751079 Oil filter cutting stand

PROFESSIONAL FORK OIL LEVEL ADJUSTER
This tool is the quickest and most accurate way to set the oil level in each fork leg. Designed for the professional mechanic, works on most forks.

235189 Fork oil level adjuster

JIMS RECEPTACLE AND PIN EXTRACTOR
No more difficulties in dismounting molex style connectors. The receptacle and pin extractor will easily remove the pins. Can be used on all models.

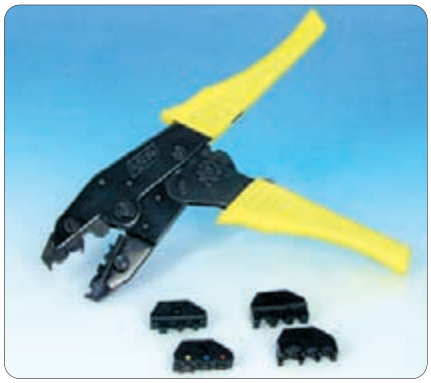
750338 Pin extractor

750339 Receptacle extractor

JIMS 6-IN-1 RECEPTACLE EXTRACTORS
This handy tool easily removes an assortment of harness style receptacle pins with either one of these 6 into 1 tools. This tool originally came from the automotive industry but, as we found out, also works great on motorcycles.

750340 6-in-1 for ALDL, pack-con and weather connectors

750341 6-in-1 for all tong-style connectors



"ACCEL 300+ CRIMP" HEAVY-DUTY PLUG WIRE & ELECTRICAL WIRE TOOL

The best wiring crimping tool available. The 300+ Crimp tool is supplied with three removable stripping/crimping dietype jaws. One for spark 7-9 mm plus wires and two styles for primary wire terminals. An absolute must for making custom plug wire sets or wiring harnesses. Constructed with a heavy-duty hardened steel frame with molded non-slip hand grips. An adjustable ratchet mechanism produces consistent factory style high quality crimps.

231953 Plug wire & Electrical wire tool

MSD PRO CRIMPTOOL

The right tool for the right job, a catchphrase that is amongst the fundamentals of motorcycle engineering. Hardened for professional use, the tool has to be used when fitting super conductor or any other spark plug wires. Comes equipped with a set of jaws to install or remove plug wires and boots. Replacement jaws as well as jaws for various other purposes are also available.

711823 Pro crimp tool
711824 Replacement spark plug jaws
711825 Optional AMP pin jaws
711826 Optional AMP lug jaws
711827 Optional Weather tight jaws
711828 Optional Deutsch connector jaws

TOOLS FOR DEUTSCH CONNECTORS

Professionals use professional tools, as they know that the right tool is half the job.

741540 Professional hand crimp tool
741545 Removal tool

MULTI PURPOSE MSD MINI STRIPPER CRIMPER

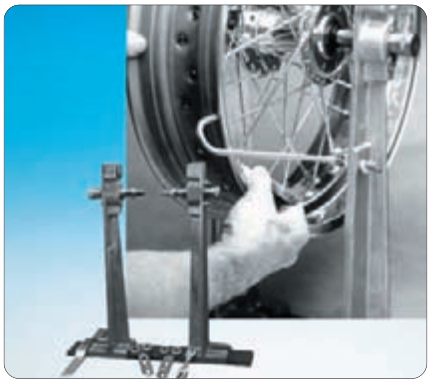
Designed to be used in a vise and with single-edge razor blade to strip spark plug wires without damaging the core and to crimp a terminal.

711822 Mini stripper crimper tool

ROWE SPOKE WRENCH

A small tool that is a must for every Wheel builder or workshop. Fits six most common spoke nipple sizes including all sizes used on Harley-Davidson wheels.

721119 Rowe Spoke wrench



WHEEL TRUING & BALANCING STAND

A solid piece of equipment, made by Rowe in the U.S.A. True on centers or "V" slot, balance on ball bearings. The same tool as used in all of the Harley-Davidson Schools.

722516 Wheel truing stand only

JIMS FLH/FLT POWER TRAIN ALIGNMENT TOOL

This tool easily and safely aligns the Power Train to the correct position on most 1993 to present (rubber engine, transmission and swingarm mounted) Touring models. Alignment service must be performed when the engine, transmission, or swingarm have either been removed or repaired. Without accurate alignment the safety in handling and performance will be effected.

751073 Power train alignment tool

LASER ASSITED DRIVE BELT OR DRIVE CHAIN ALIGNMENT TOOL

Whenever you have removed the rear wheel of your motorcycle, you need to re-align the chain or belt. This handy tool really takes the guesswork out of this job. By simply putting the Chain Alignment Tool on your sprocket or pulley, the laser beam indicates if everything is lined up properly. Correct alignment increases the lifetime of your complete drive train, tire, and wheel bearings, reduces fuel consumption and improves road holding. This Class-2 quality laser features a tolerance of less than 0.01 mm per meter chain or belt and works on two normal RR-14 "penlight" batteries. The Chain Alignment Tool is economically priced - every bike owner should have one in his toolbox. It definitely is a must for professional workshops.

701227 Mark IV Laser Drive Line Chain Alignment Tool

JIMS 3RD HAND FLH/FLT REAR AXLE LOCKER TOOL

Torquing down the rear axle nut on all 2002 to present FLH/FLT models, for example after rear belt adjustment, the welded axle nut tends to move to the low side of the adjuster cam. This movement will allow the belt to loose adjustment. With this 3rd hand axle tool you are able to lock the axle without the assistance of any helper. This tool holds the nut without having to reach around the rear tire to hold the nut from moving. Simply place the 3rd hand over the welded nut on the left-hand side of the motorcycle. With the neck portion of the tool resting over the swingarm, hand tighten the adjuster screw to take up any slack in tool. Torque the axle nut from the right-hand side knowing that the welded nut will not turn. Instructions are included.

751072 3rd hand axle locker tool

JIMS REAR AXLE NUT TORQUE ADAPTER

This Jims tool will make adjusting the drive belt tension or rear wheel alignment a bit easier. It will save you time by eliminating the need to remove the mufflers to perform this service. The tool is designed with a 1/2" drive receiver hole for inserting your torque wrench thus letting you torque the axle nut from an offset position. Comes complete with instruction sheet.

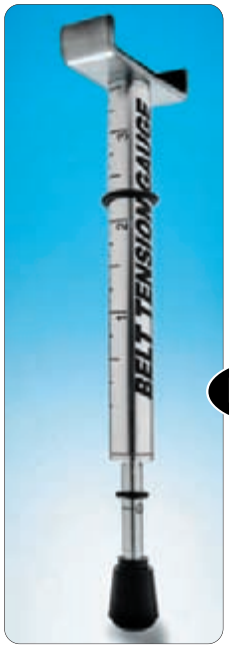
751088 Jims rear axle nut torque adapter

JIMS JUMBO CHAIN TOOL

This tool is designed to break roller chains up to 630 series and fits all standard and O-ring chain sizes 520, 530 and 630. The tool rivet chains up to 530. Master link side plate press kit is included to press-fit side plates on chains up to 530. The screws and attachments of the tool are heat treated for strength and durability. The extractor pin is precisely guided by a removable guide ensuring long pin life. The tool may be bolted to a workbench, supported in a vise, or held by handle. When bolted to a solid surface, air or electric wrenches may be used to break chain. This jumbo chain tool is recommended for heavy-duty use. Instructions are included.

751074 Jims Jumbo Chain Tool

JIMS CHAIN PRESS TOOL KIT
Since about 1990 most new chains use press-fit type side plates on the connecting links. With this type of link the side plate can not be installed properly without the aid of this special tool. The chain manufacturers have determined a press-fit adds strength to the connecting link and should always be used. Suitable for 520 and 530 type chains, either standard or O-ring style.
751075 Jims Chain Press Tool kit

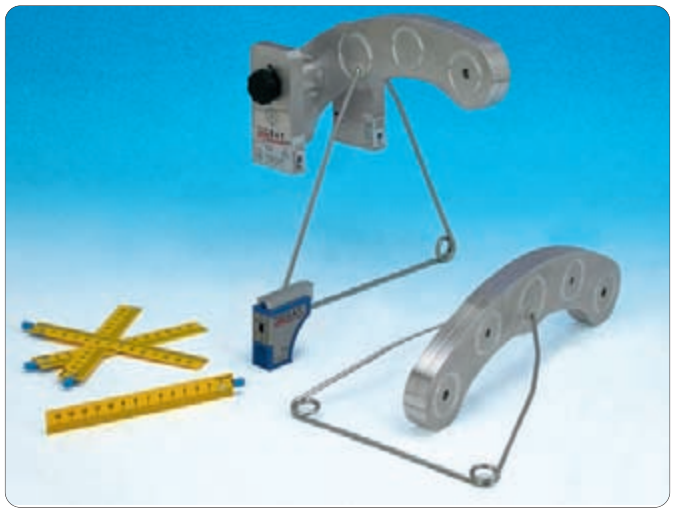


NEW

JIMS BELT TENSION GAUGE
This compact tool is designed to assist in properly adjusting the secondary belts on all belt driven motorcycles with a 10 lb. specification. Tool has an easy to read scale.
751076 Belt tension gauge

NEW

GENUINE BELT TENSION TESTER TOOL
This compact tool is designed to check the tension on the secondary belt.
751021 Belt tension tester tool
(OEM 40006-85)



PROFESSIONAL BIKE ALIGNMENT TOOL WITH LASER
A professional tool for workshop use, allowing you to check wheel alignment within minutes. First you check if the final drive is in line with the included Chain Alignment Tool, than attach the CNC machined aluminum gauges to the front and rear wheel and switch on the laser and you can see at a glance if the wheels are in line or not. The two gauges with integrated class-2 lasers guarantee a measuring tolerance of less than 0.5 mm/meter. No more hassling around with ropes or bars of steel, the Bike Alignment Tool (B.A.T.) gives secure information. Perfect for Custom Bike Builders, crash damage controls, and a real help in solving road-holding problems. Professionals know that professional tools require professional care, so the B.A.T. comes complete with a high impact plastic case to store it properly.

Complete kit contains:
- Laser Chain Alignment Tool with two 1.5 Volt LR44 batteries
- One pair front wheel gauges with clamps
- One pair rear wheel gauges with clamps
- High Impact plastic case
- Two laser equipped gauges

701226 Professional Bike Alignment Tool

JIMS REAR WHEEL ALIGNMENT TOOL
Proper wheel alignment is necessary for safe handling of the motorcycle. It will also extend the life of the belt or chain, pulleys and sprockets. With this tool you can simply and accurately obtain the correct alignment. In combination with hollow axle plug ZPN 751070 this rear wheel alignment tool suits the new hollow axles as found on 2003 to present Buells and 2008 to present Dyna and Sportster models.
751071 Rear wheel alignment tool

JIMS HOLLOW AXLE PLUG TOOL
Hollow wheel axles are on Buells since 2003 and Dyna and Sportster models 2008 to present. The use of hollow axles has eliminated the center point of the axle, a point that has always been preferred for wheel alignment. When you insert this tool in the ends of the hollow axle you have a correct center point again.
751070 Plug set for hollow axles

FUEL PRESSURE TEST GAUGE TOOL BY JIMS
This gauge is a must have, as all new Big Twin motorcycles have Electronic Fuel Injection. This fuel pressure gauge is easily installed in line with the motorcycle's fuel supply system. Jims supplies you with all the necessary hose connections and fittings to safely perform a fuel pressure test in about the same amount of time it takes to change a set of spark plugs. Full detailed instructions are included.
751053 For use on EFI equipped FLH and FLT series models 2002 to present, FXST models 2001 to present and Dyna's 2004 to present

FUEL PUMP RETAINING RING TOOL
This is a must use tool for removal or installation of the fuel pump retaining ring found on Touring models 2008 to present. Use the remover tool in combination with a 1/2" ratchet.
751054 Fuel pump retainer remover tool

IGNITION SWITCH HOUSING ALIGNMENT TOOL
This tool will help to align the ignition switch housing and ignition switch knob to help extend the life of the ignition switch housing. Just insert the tool, torque de screws and remove the tool again. Works on all Touring models 2003 to present and all V-Rod models 2002 to present.
751056 Ignition switch housing alignment tool

RACER'S SAFETY WIRE KIT
For safety wiring of nuts and bolts, kit includes stainless wire and special stainless washers that make safety wiring a "no drill" operation. Wire is separately available.

235193 Safety wire kit
235272 Safety wire .035" (0.9 mm) 1 lbs.
235267 Safety wire .025" (0.65mm) 1 lbs.

IGNITION SWITCH CONNECTOR REMOVER TOOL

Use this tool to safely remove the ignition switch wiring connector. Slip the dog bone end of the tool into the bottom side of the connector until it is touching the back end of connector box. Then gently pull out the male wiring connector and tool. Use on all Touring models 2003 to present and all V-Rod models 2002 to present.

751057 Ignition switch connector remover tool

TWIN SCAN II DIAGNOSTIC SCAN TOOL

The Twin Scan II scan tool is compatible with 2001 to present fuel injected models using Delphi system, including V-Rod, Twin Cam 96 models, as well as 2003 thru 2006 carbureted models with the 12-pin ignition module. It is a low-cost tool that uses the USB port on your laptop or PC for display and comes complete with Windows software.

Features are:

- Reads and clears diagnostic trouble codes from ECU (engine control unit), TSSM (turn signal/security module), speedometer, and tacho.
- Real time display of engine data on instrument panel type display.
- Built-in data logging. Stores up to 45 minutes of data. Automatically triggers when a trouble code is set. Shows data before and after code is set.
- Includes two analog inputs for air/fuel ratio (AFR).
- Compact size.

741998 TwinScan II diagnostic scan tool

WEGO III WIDE-BAND AIR-FUEL RATIO TUNING AID

The WEGO III is a complete air-fuel ratio metering system with over two hours of built in data logging for all carbureted and fuel injected engines. It features a waterproof, daylight readable blue LED display for air-fuel ratio and engine rpm, and has a spare 0-5V analog input for sensors such as throttle position or manifold pressure. It is said to be highly accurate with easy, free air calibration to adjust for sensor aging effects. It has a wide voltage range from 11 to 16V with current draw of approximately 1 amp allowing operation from battery or race vehicles without an alternator. The kit includes the WEGOIII unit measuring 4" (11.6 cm) long, 2" (5.1 cm) wide and 1/2" (1.3 cm) high. Unit has a built-in USB interface. Comes with a 48" wiring harness, a Bosch LSU 4.2 oxygen sensor, matching 18 X 1.5mm weld nut and software that runs under Microsoft Windows 98, ME, XP and Vista.

742020 Complete Wego III wide band air/fuel ratio tuning aid

Individual parts

741992 Twin Tec WEGO serial interface (for WEGO and WEGO II only)

741993 Weld-on nut for exhaust oxygen sensor

741994 Socket plug for weld on nut

BLUE STREAK DIAGNOSTIC MONITOR

Standard Motor Products, an industry leader in the US aftermarket, has recently expanded its Blue Streak Diagnostic Monitor (BDM) to included diagnostic coverage for Harley-Davidson motorcycles from 1995 to present and Buell models 1999 to present. Electronics are an integral part of any vehicle today and Harley's are no different. These electronic control modules give access to a great amount of data. Since accurate information remains the best way to locate and solve problems quickly, all technicians in the aftermarket can benefit from using a BDM. The BDM is designed using the state of the art Hitachi scan tool bringing powerful graphing capabilities plus OEM functions in a easy and convenient way to the technician.

Some of the highlights included in the software include:

- Read and clear trouble codes
- View live data from the ECM
- Graph data
- Perform a 100 frame snapshot
- Active Diagnostics, such as fuel pump, injectors, coil, plus more
- User friendly, easy to use menus
- Large viewing area
- Upgradeable to Pro model

The BDM allows the aftermarket access to OEM scan data to repair the bike correctly the first time. Available as Basic BDM Kit, which includes everything to get started or as BDM Pro Kit, which features a built-in 2-channel Oscilloscope and digital multi-meter. Both the Basic and Pro versions come with a cartridge to diagnose all Delphi fuel injected 2001 and 2002 models. Cartridges to diagnose ECM controlled carbureted models to present, as well as Marelli Fuel Injected FLH/FLT models 1995 thru 2001, and 1999 to present carbureted and fuel injected Buell models must be ordered separately.

721792 Basic BDM Kit with 1999-2005 Delphi cartridge
721793 BDM Pro Kit with 1999-2005 Delphi cartridge
722193 Cartridge to diagnose 1999 to present Buell models
722192 Cartridge to diagnose 1999 thru 2005 Delphi Fuel Injected models
722145 Cartridge to diagnose ECM controlled carbureted models to present, as well as Marelli Fuel Injected FLH/FLT models 1995 thru 2001